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BRITISH MUSEUM
NATURAL HISTORY

S. 395

FIRST REPORT.

THE Whitby Literary and Philosophical Society, having begun its career in an age when the value of liberal and scientific Institutions is generally appreciated, at least in our enlightened and highly favoured country, has met with a success greatly beyond what was anticipated: and the Council have now the pleasure of communicating to the Members of the Society a Report of their proceedings during the past year, which they trust will be found satisfactory.

Immediately after the organization of the Society, the Council engaged the commodious Rooms where we are now met, to be occupied for the purposes of the Institution; and while the Rooms were fitting up, measures were taken to obtain a collection of Fossils, selected from various private collections previously formed. Through the liberality of the parties concerned, a rich assortment of Petrifactions was soon procured on easy terms; a considerable part being presented gratuitously, and the rest purchased at a moderate price. In a similar way, the Council obtained a valuable collection of Minerals, both British and Foreign; an extensive collection of Rock-specimens; an assort-

ment of the fossil Bones and Teeth discovered in the Kirkdale Cavern, surpassing in variety every other assortment, except that of the Yorkshire Philosophical Society; a handsome collection of Shells; various specimens in other departments of Natural History; a few Books on Geology and other scientific subjects; some interesting Antiquities, chiefly belonging to Whitby and the neighbourhood; and a number of miscellaneous Curiosities from various parts of the world.

After the Rooms had been prepared, and the collections lodged in them, which was in the month of March, a considerable time was spent in arranging the different articles into their proper classes, and placing them in the most natural order; and the collection proving more extensive than was expected, new accommodations were required to be provided at the Rooms, before the arrangement could be accomplished. Owing partly to these causes, and partly to the circumstance that the task of classifying principally devolved on one of the Secretaries, whose time was otherwise much engaged, the Museum, though accessible from the first to Members of the Society, was not opened to the Public till the month of September; when it began to be opened regularly on Tuesdays and Thursdays, under Regulations adopted by the Council, which, it is hoped, will receive the approbation of this Meeting.

Previous to the opening of the Museum, the Council engaged Mr. Wm. Corbishley to act as Subcurator; and from the manner in which he has discharged the duties of that office, the Council have reason to think, that a more suitable person could not have been procured.

The Museum has been visited, not only by Subscribers and their families, but by many respectable Strangers from various quarters, as well as by a considerable number of the inhabitants of Whitby and its immediate vicinity: and few or none have seen it, without being gratified beyond expectation, with the extent, variety, and value of its contents.

Since the opening of the Museum, as well as before, additions have been made to the collection almost every week; partly by donations, and partly by purchase. Considerable sums having been expended in the first purchases, and in the fitting up of the rooms, the Council have found it prudent to avoid making large purchases; but they have procured a variety of interesting fossils, and other valuable articles that came in their way, which if not bought at the time, might not have been obtained at any future opportunity.—The sums laid out by the Council amount in all to above One Hundred Guineas, without including a few bills at present unpaid.

As it is proper to record the liberality of those who have contributed to enrich the

Museum, a list of the principal Donations, presented in the course of the year, is annexed to this Report; and all Donations will be entered as such in the Society's Catalogue.

It will be seen from the list of Members (also annexed), that several respectable Gentlemen have been elected Honorary Members of the Society. Most of these Gentlemen have already rendered valuable services to this Institution, and the rest are disposed to render similar services, whenever an opportunity may occur. Some of them are Members of kindred Institutions, with which it is proper to maintain a friendly intercourse. From the correspondence carried on by Members of the Council, both with Societies and Individuals, there is a prospect of obtaining from time to time, on the easiest terms, supplies of Minerals, Petrifactions, and other interesting articles, for the Museum; and, as many Gentlemen in Whitby may be inclined to avail themselves of such a repository, to preserve unto future times Curiosities of nature or art that might otherwise be lost, we need not doubt that the collection will still be accumulating from year to year, and even from month to month.

The Council regret, that the Catalogue is not yet drawn up, and that the work of arranging and labelling the contents of the Museum is still incomplete. This laborious but necessary task will be proceeded in without delay; that

greater facility may be afforded to the researches of all visitors, especially such Ladies and Gentlemen as wish to enter minutely into the study of Mineralogy, Geology, Conchology, &c. To facilitate such studies, it would be highly desirable to have a larger collection of Books on these subjects; and the Council hope, that through the increase of the number of Subscribers, and the consequent augmentation of the funds, this desideratum may shortly be supplied.

In a circular lately published by the Council, a hope was held out, that Mr. Wm Scoresby, Jun. F.R.S. Edin., an Honorary Member of this Society, would deliver a course of Lectures on Magnetism this season, to the Members and Friends of this Institution. The Council are sorry to state, that this hope has not been realized, that Gentleman being prevented by other engagements from gratifying the Society at this time with his valuable services. It is hoped, that before the expiration of another year, some scientific Lectures will be delivered to the Society, either by Mr. Scoresby, or by some other Gentleman qualified for the task.

Nothing has been done during the past year in the way of reading Literary Essays. In this useful department of the Society's labours, a commencement is expected to be made shortly; and arrangements are likely to take place for holding Meetings, at regular intervals, at least

during part of the year, for reading Essays, for Conversations on literary or scientific subjects, for making Philosophical Experiments, and for other purposes connected with the objects of the Society.

On the whole, the Council may congratulate the Members of the Institution, on the progress which it has made, and the prospects of its further advancement. It bids fair to answer all the objects which its founders had in view. It will be the means of retaining on the spot the best collection of those numerous and interesting Petrifactions, for which this coast has long been celebrated, above almost every other part of the globe. It will preserve, and keep together, many curious objects, both natural and artificial, which, for want of a suitable repository, might have been lost or dispersed. It will supply the youth of both sexes with sources of amusement, and subjects for study, at once the most innocent, the most agreeable, and the most improving. It will present a stimulus to the inquiring and scientific mind, and call forth into action valuable talents that might otherwise have lain dormant. It will cooperate with other kindred Institutions in promoting the general interests of Learning and Philosophy. And it will contribute to the honour and advantage of the town, by rendering it more respectable and more attractive, as a place where Literature and Science are esteemed and patronised.

LAWS AND REGULATIONS

OF THE

Whitby Literary & Philosophical Society.

I. The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a MUSEUM, and for promoting the interests of SCIENCE by such other means as it may be able to undertake.

II. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea Annual*, shall be MEMBERS of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea Annual*, or of *Ten Guineas* at one time, without any Annual Subscription, shall be GOVERNORS of the Society.

III. The Business of the Society shall be conducted by a PRESIDENT, two VICE-PRESIDENTS, a TREASURER, two SECRETARIES, and a CURATOR; who, with a COMMITTEE of eight Members, shall form the COUNCIL of the Society.

IV. The Council shall meet for transacting business on the first Thursday of every Month, or as often as they shall find necessary; and five Members shall form a Quorum.

V. All Governors shall have a right to attend and vote at the Meetings of the Council.

VI. A General Meeting of the Society shall be held on the third Friday in January, in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur.—Special Meetings may be called by the Council, or by any Seven Members, a week's notice being given.

VII. The Museum shall comprise Collections of Fossils, Antiquities, specimens in Natural History; with other miscellaneous Curiosities, whether of Nature or Art: to which may be added Scientific Books and Philosophical Apparatus.

VIII. The Museum shall be open for the convenience of Members, on such days of the Week, and under such regulations, as the Council shall appoint. The families of Members, residing under their roof, shall have the privilege of visiting the Museum. No other Inhabitants of Whitby shall be admitted more than once. Strangers, who have their residence above Ten Miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curator, or the Secretaries, may admit Members or Strangers to the Museum on those days when it is usually shut.

IX. After the Society has existed one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting may appoint; but the Council may at any of its Meetings admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it.

X. Gentlemen who have rendered important services to the Society may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

XI. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever

be dissolved, the property shall be divided accordingly. But, in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives; and all Members who have sold property to the Society at a reduced price, shall have the option of repurchasing it at the same price.

XII. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall at his death descend to his representative; but the Society shall decide by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due on it must be paid up: and the representative or assignee of a Life Governor shall not be exempted from the Annual Subscription of Half a Guinea, without paying the sum of Five Guineas, in lieu of such Subscription.

XIII. The Annual Subscriptions shall be paid to the Treasurer in advance, in the month of January, or within a month after the General Meeting in each Year. If any Member neglect to pay his Subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share shall be paid up: and if any Member neglect paying his Subscriptions for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all his right and interest in the property of the Institution.

XIV. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society the loss or damage so sustained.

XV. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect for bringing him to order: but such expulsion shall not take place, without giving a

month's notice at least to the offending Member, and without the concurrence of three fourths of the Members present at the Public Meeting of the Society held for that purpose.

XVI. Each Member, upon his Admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a Member of it.

XVII. These Laws may be amended or enlarged at any General or Special Meeting of the Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

REGULATIONS FOR ADMISSION TO THE MUSEUM,

Adopted by the Council, and confirmed by the General Meeting.

I. The Museum shall be open from Eleven to One o'clock on Tuesday and Thursday in every week.

II. Any Member may introduce personally, or by a written order, a Friend or Stranger residing above ten miles from Whitby; but no person residing in Whitby or its immediate vicinity, not belonging to the household of a Member, shall be admitted more than once.

III. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by the personal introduction of one of the Council, or by an order from the Curator or from one of the Secretaries.

IV. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a Book to be kept for that purpose at the Museum.

V. No person introduced into the Museum shall be permitted to handle the specimens.

VI. No person shall be allowed to take a Stick or Umbrella into the Museum, or any thing likely to occasion damage.

OFFICERS FOR 1824.

President.

RICHARD MOORSOM, JUN., ESQ.

Vice-Presidents.

HENRY BELCHER, ESQ.
THOMAS FISHBURN, JUN., ESQ.

Treasurer.

JOHN HOLT, JUN., ESQ.

Committee.

MR. C. BELCHER,
MR. G. BUCK,
MR. J. CAMPION,
MR. J. MEWBURN,
MR. W. NICHOLSON,
MR. R. RIPLEY,
MR. T. WATSON,
MR. J. WILKINSON.

Governors by Subscription.

MR. JOHN BIRD,
MR. H. WEATHERALD,
JAMES WILSON, ESQ.
REV. G. YOUNG, A.M.

Curator.

MR. JOHN BIRD.

Secretaries.

MR. A. SANDERS,
REV. G. YOUNG, A.M.

Subcurator.

MR. WILLIAM CORBISHLEY.

LIST OF MEMBERS.

Those marked * are Honorary Members.

*H. Atkinson, Esq. *York*
H. Belcher, Esq.
Mr. Charles Belcher
Mr. John Bird
Mr. Gideon Buck
Robert Campion, Esq.
Mr. John Campion
Mr. George Chapman
Mr. Thomas Chilton
*W. H. Dikes, Esq. *Hull*
*Rev. W. Eastmead, *Kirkby-Moorside*
Thos. Fishburn, jun. Esq.
Mr. John Frankland
*Thomas Hinderwell, Esq. *Scarborough*
John Holt, jun. Esq.
Mr. John Hugill
Mr. Lars Kiersta
†Mr. Thomas Lempriere
Mr. John Mewburn
Richard Moorsom, Esq.
Richard Moorsom, jun. Esq.
Mr. William Nicholson
*Mr. R. Pickering, *Malton*
Chris. Richardson, Esq.
Mr. Richard Ripley
†Mr. John Ripley
Mr. Richard Rodgers
*W. Salmond, Esq. *York*
Jonathan Sanders, Esq.
Mr. George Sanders
Mr. Joseph Sanders
Mr. Andrew Sanders
Mr. John Sanderson
*Mr. William Scoresby, jun. F.R.S.Ed. M.W.S. &c.
*H. F. Smith, Esq. *Darlington*
Mr. J. M. Sowerby
*A. Thorpe, Esq. *York*
Mr. Thomas Turnbull
Edmund Turton, Esq.
*Rev. W. V. Vernon, *York*
Mr. Thomas Watson
Mr. Henry Weatherald
Mr. James Wilkinson
James Wilson, Esq.
Mr. William Yeoman
Rev. George Young, A.M.

Those marked † are Annual Subscribers of Twelve Shillings.

DONATIONS

Presented to the Whitby Museum.

Mrs. Adams.—Elegant *Gorgoniæ* from the West Indies.

Mr. T. Barker.—Part of the Wrapper of an Egyptian Mummy.

Mr. J. Bathgate, *Lofthouse*.—Two ancient Newspapers.

Henry Belcher, Esq.—Polished specimens of fossil Wood, and of Encrinites, and Ammonites;—masses of petrified Shells;—some preserved Serpents, &c.

Mr. C. Belcher.—Specimen of Stalactite with Bones from Kirkdale cavern.

Mr. J. Bird.—Many Petrifactions, Minerals, Rock-Specimens, Antiquities, Fruits, &c.

Mr. G. Buck.—Some rare Ammonites polished, &c.

Miss Campion.—Specimen of Satin Spar.

Mr. Geo. Chapman.—Curious ornament worn in the South Sea Islands.

Mr. M. Clark.—Cingalese Writing on a Leaf.

W. H. Dikes, Esq. *(for the Hull Literary & Philosophical Society)*.—Lower Jaw of a Hippopotamus;—specimens of Fluor Spar, and of Vegetable Impressions.

Rev. W. Eastmead, *Kirkby-Moorside*.—Ancient *Tesseræ* from Byland Abbey;—specimens of Chert, &c.

Mr. J. Eglin, *Hull*.—A rare petrified Fish.

Mr. T. Elder.—A Sponge, and a curious excrescence from a Tree.

T. Fishburn, Esq.—An Adze incrusted with breccia; some Pebbles, and Rock-Specimens, &c.

Mr. Thos. Harding.—Handsome Dress of an Esquimaux Female.

T. Hinderwell, Esq. *Scarborough*.—Some rare Petrifactions.

Mr. J. Holt, the Youngest.—Skeleton of a Greenland Bear.

Mr. J. Hugill.—Large *Gorgonia*;—specimens of Maize; Bones, &c. from Kirkdale cavern.

Mr. T. Lempriere.—Large Star-fish, and some rare Fruits.

Dr. J. G. Loy.—Lower part of an ancient Quern.

Capt. Mead.—Skin of a large Serpent, and an Alligator which the same Serpent swallowed entire.

Mr. J. Mewburn.—An Alligator, a Seal, a Bat, two Bears' Heads, &c.

MESSRS. J. MEWBURN & R. RIPLEY.—Valuable Collection of Petrifactions and Rock-specimens from Kent.

MR. W. NICHOLSON.—A Fossil Stag's Horn.

CAPT. MUIR.—A preserved Serpent.

CAPT. POTTER.—An Idol, and a Stone Club, from New Zealand:—Fragments of Buildings, &c. from the Mediterranean.

MR. R. RIPLEY.—Copy of Westgarth on the Strata, of Burnet's Theory, &c.:—Horn of the Ibex:—some Silver and Copper Coins:—Vegetable Impressions from Barnsley; with many Petrifactions, Rock-specimens, Shells, &c.

MR. J. RIPLEY.—A German Tobacco Pipe, an Indian Hookah, &c.

MR. W. ROBERTSON, *Newcastle*.—Several Rock-specimens.

MR. A. SANDERS.—Head of a *Plesiosaurus;*—Fossil Grinder of an Elephant;—some rare Ammonites;—ancient Plan of Whitby, &c.

MR. T. SCORESBY.—A Collection of dried Greenland Plants.

H. F. SMITH, ESQ. *Darlington*.—A Valuable Collection of Minerals, amounting to 140 specimens.

MISS TERRY.—A preserved Cameleon.

MR. W. TRUEMAN.—A Bat, and some Rock-specimens.

MR. J. WATERS, *Bridlington Quay*.—Some Alcyonites.

MR. H. WEATHERALD.—Some Petrifactions.

MR. W. WILSON, *Scarborough*.—Some Rock-specimens from Igloolik, brought home in the *Fury*.

REV. G. YOUNG, A.M.—A Collection of Rock-specimens of the Yorkshire Coast;—a Collection of Shells;—with various Minerals, Antiquities, &c.

MESSRS YOUNG & BIRD.—A copy of the Geological Survey of the Yorkshire Coast.

N.B. Several small Donations have not been particularly specified.

BRIT. MUS.
15 JUN 29
NAT. HIST.

RODGERS, PRINTER, WHITBY.

PRITAMIS
15 JUN 29
MATHISY

FIELD MUSEUM OF NATURAL HISTORY

SECOND REPORT

OF THE

Whitby

LITERARY AND PHILOSOPHICAL

SOCIETY,

Presented at the Annual Meeting, January 21, 1825:

WITH THE

Laws and Regulations

OF THE SOCIETY,

A LIST OF THE OFFICERS AND MEMBERS,

AND OF

Donations presented to the Museum.

WHITBY:
Printed by R. Rodgers, Old Market-Place.

1825.

BRITISH MUSEUM
NATURAL HISTORY

SECOND REPORT.

IN reporting the proceedings of the Whitby Literary and Philosophical Society during the second year of its existence, the Council have the satisfaction of stating, that the affairs of the Institution continue to prosper. In the course of the year, the Museum has received large accessions to its multifarious contents; partly by purchase, but principally by donations. Scarcely a week has passed without some new acquisition. This increase has taken place in every department.

The collection of recent Shells has been more than doubled; liberal donations of shells having been made by several Members and Friends; particularly by Jonathan Sanders, Esq.; Mr. John Williamson of Scarborough, who has been elected an Honorary Member of the Society; and Mr. Richard Ripley, who has also contributed liberally to other departments.

To the collection of Minerals, large and valuable additions have also been made; partly by the generosity of friends, but chiefly by the sale or exchange of duplicates, or by bartering Whitby fossils for the mineral productions of

other places. In this way, the Society may hope to enrich the Museum in various departments from time to time: and it is no small advantage to this Institution, that it has access to an inexhaustible store of fossil treasures, from which it can augment the collections of other Societies, or of literary friends residing at a distance, who may be expected in return to supply our Museum with the rarities of their respective districts.

Similar acquisitions have been made in Fossils, Rock-specimens, Antiquities, Books, and miscellaneous Curiosities. The contributors to these departments are numerous, and several of their donations are very valuable, as will be seen in the list subjoined to this Report.

The Council feel a pleasure in observing, that in this year, as in the last, the Society has been much indebted to Captains of ships, and other sea-faring friends. Captain Potter, who was a liberal benefactor last year, has laid the Society under additional obligations. Captain Dunning has presented a variety of Shells and other Curiosities. Captain Dixon has given the Society a valuable collection of Insects from the Brazils, with many other Curiosities from New Zealand and Van Diemen's Land. Captain Allely has presented the dress of an Esquimaux man, with some birds and other Curiosities from Davis Straits. Captain Kearsley has brought

home from Baffin's Island, a large collection of Rock-specimens, most of which have come into the Museum, through the hands of Thomas Brodrick, Jun., Esq.; whose polite attentions, as well as the liberality of Captain Kearsley, the Council would gratefully acknowledge. Another collection of Rock-specimens from Baffin's Bay, has been presented by Captain Terry. Thus, the characteristic generosity of British Seamen has been exemplified in the Captains belonging to this Port; and it may fairly be presumed, that our Seamen, who visit all quarters of the globe, will continue to augment our collections from year to year.

Owing to the great expense incurred last year, and the necessity of providing Glass-cases, and other accommodations, to contain the large additions made to the Society's property this year, the Council have refrained from making expensive purchases. They have not, however, neglected any good opportunity of procuring such Fossils and Minerals, and other Curiosities, as appeared particularly desirable for enriching the Society's collection. The most interesting article purchased this year is the FOSSIL CROCODILE, lately discovered by Brown Marshall, in the cliff near Saltwick. The existence of the Crocodile among the large animals imbedded in the alum-shale, had not hitherto been satisfactorily ascertained: but this specimen

establishes the fact beyond all doubt; the animal being fully identified by the bones of its legs and feet, with some of the claws, and large portions of its scaly crust. From specimens of *amphibia* and large marine animals, now in the Museum, it appears, that at least four or five kinds of these bulky inhabitants of a former world have been lodged in our alum-shale: and the labours of the Society, in future years, may be the means of throwing much light on the nature and structure of these remarkable animals.

After what has now been stated, it is scarcely necessary to add, that the Museum has become increasingly attractive. Three hundred Visitors have been introduced in the course of the past year; viz. above 80 belonging to Whitby and its Vicinity, and about 220 strangers from various parts of the country. The interesting additions lately made to the collection, must render it still more an object of attraction in subsequent years. Scientific inquirers from all parts, will naturally wish to examine the valuable specimens in the Society's possession. But the benefits of the Institution will be most felt by the inhabitants of Whitby and its immediate neighbourhood. To our studious youth, of both sexes, the Museum will present facilities of no ordinary kind, to aid them in the pursuit of useful knowledge. Here the young mineralogist will be furnished with specimens and with books,

enabling him to prosecute with success a study which is at once pleasing and profitable. The lovers of conchology will have access to examine a rich variety of beautiful and curious articles in that department. The entomologist too, may here avail himself of the same facilities, in regard to the minute but admirable objects of his research. Here also, the geologist, the antiquarian, and the general lover of science, may each find sources of amusement, and interesting subjects for study.

The advantages of the Society will be much increased, when it shall be able to hold regular Meetings for receiving Essays, or engaging in literary conversations. In this department, nothing has yet been effected, but there is a prospect of making a commencement soon after the present Anniversary; and the Council would recommend it to the Members of the Society, to prepare Essays or communications suitable for such Meetings, and to collect for this purpose any useful information on scientific subjects that may fall in their way.

Considerable progress has been made in arranging and labelling the contents of the Museum, at least in some of its departments. Much, however, remains to be done; and this important object will demand the attention of the Council for the following year, as well as the necessity of providing further accommoda-

tion for the accumulating collections of the Society.

The number of new Members admitted in the past year is small; but the Council are happy to state, that one of them is Colonel Cholmley, who has become a Governor. They have also the satisfaction of observing, that some new Members are to be announced to the present Meeting, and that other respectable names may soon be expected to be added to the list. We may venture to anticipate, that several other gentlemen belonging to this place, particularly young gentlemen, and heads of families who have children growing up to enjoy the benefits of such an Institution, will avail themselves of the advantages which it offers to the studious youth, on such easy terms; and that, by an increased patronage on the part of the public, the Institution will be gradually cherished. Societies, like individuals, grow by degrees. The growth of this infant Institution, during these two years, has been far more rapid, than its most sanguine projectors and patrons could have anticipated; and we may safely calculate, that, in a few years more, it will have arrived at such a degree of maturity as will render it, not only a most honourable and useful establishment for Whitby and the Vicinity, but an important auxiliary to the general interests of learning and philosophy.

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month's notice at least to the offending Member, and without the concurrence of three fourths of the Members present at the Public Meeting of the Society held for that purpose.

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OFFICERS FOR 1825.

PATRON.

THE RIGHT HON. LORD VISCOUNT NORMANBY.

PRESIDENT.

RICHARD MOORSOM, JUN., ESQ.

VICE-PRESIDENTS.

HENRY BELCHER, ESQ. | T. FISHBURN, JUN., ESQ.

TREASURER.

JOHN HOLT, ESQ.

COMMITTEE.

Mr. G. BUCK,
Mr. N. CAMPION,
Mr. G. CHAPMAN,
Mr. J. FRANKLAND,
Mr. J. MEWBURN,
Mr. T. PARKIN, JUN.
Mr. R. RIPLEY,
Mr. T. WATSON.

GOVERNORS BY SUBSCRIPTION.

LORD VISCOUNT NORMANBY.
COL. GEO. CHOLMLEY,
Mr. J. BIRD,
COL. JAMES WILSON,
Mr. H. WEATHERALD,
REV. GEO. YOUNG, A.M.

CURATOR.

Mr. JOHN BIRD.

SECRETARIES.

Mr. ANDREW SANDERS, | REV. GEO. YOUNG, A.M.

SUBCURATOR.

Mr. WILLIAM CORBISHLEY.

LIST OF MEMBERS.

LORD VISCOUNT NORMANBY.

*H. Atkinson, Esq. *York.*
H. Belcher, Esq.
Mr. Charles Belcher
John Benson, Esq.
Mr. John Bird
†Mr. R. Brewster
Mr. Gideon Buck
Robert Campion, Esq.
Mr. John Campion
Mr. Nath. Campion
Mr. George Chapman
Mr. Thomas Chilton
Col. George Cholmley
*W. H. Dikes, Esq. *Hull*
*Rev. William Eastmead, *Kirkby-Moorside*
Thos. Fishburn, jun. Esq.
Mr. John Frankland
*Dr. G. Goldie, *York*
*Thomas Hinderwell, Esq. *Scarborough*
John Holt, Esq.
Mr. John Hugill
Mr. Lars Kiersta
†Mr. Thomas Lempriere
Mr. John Mewburn
Richard Moorsom, Esq.
Richard Moorsom, jun. Esq.
Mr. William Nicholson
*Mr. R. Pickering, *Malton*
Mr. Thomas Parkin, jun.
Chris. Richardson, Esq.
Mr. Richard Ripley
Mr. John Ripley
Mr. Richard Rodgers
Rev. J. Rutherford
*W. Salmond, Esq. *York*
Jonathan Sanders, Esq.
Mr. George Sanders
Mr. Joseph Sanders
Mr. Andrew Sanders
Mr. John Sanderson
*Mr. Wm. Scoresby, jun. F.R.S. M.W.S. &c.
*H. F. Smith, Esq. *Darlington*
J. M. Sowerby, Esq.
*A. Thorpe, Esq. *York*
Mr. Thomas Turnbull
Edmund Turton, Esq.
*Rev. W. V. Vernon, *York*
Mr. Thomas Watson
Mr. Henry Weatherald
Mr. James Wilkinson
*Mr. J. Williamson, *Scarborough*
Col. James Wilson
†Mr. Richard Woodwark
Mr. John Yeoman
Rev. George Young, A.M.

* *Honorary Members.* † *Subscribers of* 12*s. yearly.*

DONATIONS

Presented to the Museum since the publication of the First Report.

Mr. W. Adams.—Rock Crystal from Cape Diamond.
Mr. J. Adams.—An Echinus and a rare Murex.
Capt. Allely.—Dress of an Esquimaux Man, with some Birds and other Curiosities from Davis Straits.
Mr. Ralph Atkins.—A rare Echinus from America.
Miss Barnes.—Beautiful cast skin of a Rattlesnake.
Mr. Bean, *Scarborough.*—Some rare British Shells, 8 species.
H. Belcher, Esq.—Copy of Douglas on the Earth, some Petrified Shells, &c.
Miss L. Belcher.—Beautiful Pyritous Shells in Green Sand, with fine Crystals of Pyrites from Dover.
Mr. J. Bird.—Copy of Grew's Gresham Curiosities, Head of an Encrinite, ancient Stiletto and other Antiquities, several Petrifactions, and Preserved Plants, &c.
T. Brodrick, Jun., Esq.—Vertebræ of a Whale, a Teal Drake, Rock Specimens, &c.
Rev. Professor W. Buckland, P.G.S., &c, &c.—Copy of his Inaugural Lecture.
Mr. J. Campion.—Some Roman Tesseræ and Coins, from Aldborough.
Mr. N. Campion.—Skull of a Whale.
Mr. G. Chapman.—A Celt, a number of local Tokens, &c.
Rev. B. Clough.—Specimen of Ceylon Moss.
Mr. W. Corbishley.—Some Foreign Shells, &c.
Capt. Craig.—Rock Specimens from W. Greenland.
G. Cumberland, Esq. M.G.S., *Bristol.*—Head of an Encrinite, and some Jasperized Shells.
Capt. Dixon.—Rich Collection of Brazil Insects, Bow and Arrows from New Zealand, an Ornithorhynchus Paradoxus, several Shells, Pebbles, &c., from Van Diemen's Land.
Capt. Dunning.—Some rare Foreign Shells, a Flying Fish, a Lizard, Serpents, and other Curiosities.
Mr. Estill.—A preserved Bird, from Greenland.
Mr. J. Fawcett.—Beautiful Specimen of Coral.
Mrs. Fotherley.—A Parroquet from Batavia, a New Zealand Idol, an ancient Egyptian Image, &c.
Mr. J. Gillott, *Scarborough.*—Some rare Petrified Shells.
Mrs. W. Hunter.—A Collection of British Shells.
Capt. Kearsley.—Large Collection of Rock Specimens, from Baffin's Island.

LEEDS PHILOSOPHICAL SOCIETY, *per Dr. Williamson.*—Copy of their last Report.

REV. C. MACKERETH.—A Copper Medal, found at Middleton.

Mr. MEWBURN.—Handsome Model of a Canoe, a Serpent, &c.

R. MOORSOM, ESQ.—An Esquimaux Canoe, a White Hare, and some Rock Specimens, from Greenland.

R. MOORSOM, JUN. ESQ.—A pair of ancient Ear Rings, and a Bead, found at Burton Pidsea; and a Silver Coin.

Mr. MUNRO, *Filey.*—Some Rock Specimens.

Mr. J. NAILOR.—Part of the Wrapper of a Mummy, with portions of the Case; part of a Chain shivered to pieces by Lightning, &c.

REV. G. NETTLESHIP.—Rock Specimens from Penrith.

Mr. NODDINGS.—Ancient Stone Hatchet found at Barnby.

CAPT. POTTER.—Splendid specimen of Pyrites from Scio, Rattle of a Rattlesnake, some Foreign Nuts, &c.

Mr. T. READSHAW.—Rare Whitby Halfpenny, and a few other Coins.

C. RICHARDSON, ESQ.—Handsome piece of Fossil Wood.

Mr. R. RIPLEY.—Copy of W. Forster on the Strata, of Peel's Hymns, printed at Whitby, and of Essays by a Society at Exeter; a number of valuable Foreign Shells, some Silver and Copper Coins, some Insects, Petrifactions, &c.

Mr. RODGERS.—Large Knife from Ceylon, elegantly carved, and inlaid with Silver.

JON. SANDERS, ESQ.—Large Collection of Foreign Shells.

Mr. A. SANDERS.—Fine specimen of Fossil Wood.

H. F. SMITH, ESQ., *Darlington.*—Collection of rare Minerals, 45 specimens.

CAPT. TERRY.—Collection of Rock Specimens from Baffin's Bay.

Mr. W. TRUEMAN.—Some Foreign Shells, petrified Shells, a Gourd, a rare Vegetable Impression, &c.

Mr. J. WILLIAMSON, *Scarborough.*—Large Collection of recent Shells, amounting to above 130 different species, several rare Crustacea, a series of Rock Specimens, &c.

COL. WILSON.—An Alligator.

Mr. W. WILSON, *Scarborough.*—Pair of Appaticks, or large Gloves, from the Savage Islands.

Mr. R. WOODWARK.—Some Petrified Shells.

Mr. J YEOMAN.—Some large Foreign Shells.

Mr. YEOMAN, *Lofthouse.*—Skeleton of a Woodcock.

YORKSHIRE PHILOSOPHICAL SOCIETY, *per Dr. Goldie.*—Several Lithographic Plates.

REV. G. YOUNG, *A.M.*—A Humming Bird, a Canary, pieces of Stalactite, several Petrifactions, Insects, &c.

BRIT. MUS. 15 JUN 29 NAT. HIST.

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15 JUN 29
NAT. HIST.

NATURAL HISTORY

THIRD REPORT

OF

THE WHITBY

LITERARY AND PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING, JAN. 20, 1826:

WITH THE

LAWS & REGULATIONS

OF THE SOCIETY,

A List of the Officers and Members,

AND OF

Donations presented to the Museum.

Whitby:

PRINTED BY R. RODGERS, OLD MARKET-PLACE.

1826.

BRITISH MUSEUM
NATURAL HISTORY

THIRD REPORT.

IN presenting an account of their proceedings during the past year, the Council of the Whitby Literary and Philosophical Society have the satisfaction of reporting, that this Institution has made such progress as cannot fail to be highly gratifying unto all its friends.

One of the most important events demanding to be noticed is, the accession of the RIGHT HONOURABLE LORD VISCOUNT NORMANBY, who has consented to become PATRON to the Society. At the last Anniversary, a respected Member and Governor undertook, at the request of the Meeting, to solicit his Lordship's patronage. The application was accordingly made, and proved successful: and as this transaction occurred before the printing of the annual Report, the Council took the opportunity of putting his Lordship's name at the head of the List of Members and Office-bearers, subjoined to that Report; though this pleasing occurrence had not been noticed in the Report itself. It is matter of congratulation to the friends of this Society, that this promising young Nobleman

has consented to patronise an Institution, which his rank, talents, and public spirit, may contribute materially to advance.

Another interesting event which the Council have to record is, the adoption of a plan for erecting a large and handsome Building, to accommodate this Society, along with Public Baths, and the Whitby Subscription Library. This important undertaking, which does credit to the public spirit of the town and neighbourhood, was announced to your Council soon after the last Anniversary; and having undergone various modifications, which occasioned some delay in the execution of the design, it was at last finally agreed on by all the parties concerned; and the foundation-stone of the building was laid on the 11th day of November; Colonel Wilson, a distinguished Member and Governor of this Society, officiating on that occasion. The site of the new Building, on the Pier, is one of the best that could be found in Whitby, for the various objects in view. The upper part of the building, intended for the Museum, when finished according to the plan of the architect and undertaker, Mr. Bolton, will be at once spacious and elegant; and when properly fitted up, will display the Society's collection to the greatest advantage. The removal of the Museum to its intended station, which may be expected to take place in the course of

this year, will form a new era in the history of this Society, and will serve, in no small degree, to increase its respectability, and its public usefulness. At the same time, it may be proper to remark, that increased exertions will be necessary on the part of the Officers and Members of the Society, to plan and superintend the fitting up of the new apartments, to arrange the Society's valuable collections, and to provide for the expenses incurred by this undertaking.

As a further step of the Society's progress, your Council have to state, that during the past year general Meetings have begun to be held for the purpose of reading Essays. Since the last Anniversary, three such Meetings have been held, at each of which an Essay was read by one of your Secretaries, the Rev. Geo. Young, A. M. At the first Meeting, which was held, February 18, 1825, he read a Description of the Fossil Crocodile, which now forms a most valuable part of the Society's property. At the second, held May 27, he read an Essay on Pyrites of comparatively recent formation, discovered in blocks of wood, dug up from the foundation of the buildings lately erected by Messrs. Frankland & Wilkinson in Church street; and also gave an account of some Inscriptions on ancient Bells at Guisborough Church. The third Meeting was held

November 18, when an Essay on the great Basaltic Dyke of this district was read to the Society, and was illustrated by a variety of specimens, taken by Messrs. Bird & Young from different parts of the Dyke, particularly from a spot above Egton Bridge. These Meetings have been attended, not only by Members of the Society, but by Ladies and Gentlemen belonging to their families; and from the interest felt on these occasions, there is reason to expect, that the attendance will greatly increase in the course of another year. To excite greater interest in such Meetings, and to promote more extensively the cause of science, it is of importance to have more writers, and greater variety in the subjects discussed. Several Members of the Society are well qualified to compose Essays on various subjects, connected with arts, sciences, and general literature; and every Gentleman should consider himself as bound to contribute his quota, for the gratification and improvement of the Society at large. Let us hope that before another Anniversary, many valuable communications of this kind will be received.

In addition to these gratifying tokens of prosperity, the Council have the satisfaction of reporting, that the increase in the Collections at the Museum has been as rapid this year as in either of the two former years. The List of

Donations, herewith communicated, comprises a rich variety of articles, many of them of great value. It will be seen, on inspecting that List, that large additions have been made to the Mineral and Fossil treasures of the Society, by friends whose liberality was experienced before. Among these your Council would particularly notice, Mr. H. F. Smith, Darlington; Mr. John Williamson, Scarborough; and Mr. W. Robertson, Newcastle. A large assortment of Fossils has also been presented by Mr. Rob. Pickering, Malton; and several Gentlemen resident in Whitby have added greatly to the collections of Fossils and Minerals. A valuable accession of American Minerals has been received from Dr. Thomas Weatherill of Liverpool, in exchange for fossil productions of our coast; and a similar exchange has been negociated with Mr. Wm. Hutton of Newcastle. The Fossil and Mineral departments have also been enriched by fresh purchases; particularly, of rare Fossil Shells and Vegetable Impressions, and of valuable Foreign Minerals.

The departments of Natural History, Antiquities, and Miscellaneous Curiosities, have also acquired large augmentations, chiefly by the liberality of friends; among whom our seafaring friends deserve, as in former years, to be peculiarly noticed. In the List of generous Donors, will be found the names of Capt. Allen

Otty, R.N. St. John's, New Brunswick, Captains Braithwaite, Dixon, Dunning, Potter, and Willis, Mr. Thomas Harding, and other Seamen; several of whom were contributors last year. We may add, that an interesting assortment of Miscellaneous Curiosities has been recently obtained from Capt. W. Havisides, in exchange for Fossils of Whitby and the vicinity.

In noticing the Donations made to the Society, it would perhaps be improper to omit mentioning the liberal gift received from Mr. J. Gillott of Scarborough; who, in addition to a number of rare Fossil Shells, has presented 50 species, or varieties, of Lichens and Mosses. This department is expected to be greatly enriched by Mr. Wm. Robertson of Newcastle, who possesses a most extensive collection of Lichens, and has an intimate acquaintance with this branch of Natural History. The two Gentlemen last named, with Dr. Goldie of York, Dr. Weatherill, of Liverpool, and the Venerable and Rev. Archdeacon Wrangham, A.M. F.R.S. &c., have been elected Honorary Members of the Society.

While the Society's Collection thus accumulates, it cannot fail to be an object of increasing attraction and interest, both to the inhabitants of Whitby and the vicinity, and to strangers occasionally visiting the place. In the course of the past year, no less than 570 Visitors have

been admitted to the Museum; of whom 430 are in the list of Strangers, and 140 in that of residents in or near Whitby. Indeed, as it is known that, from accidental circumstances, various omissions have been made in the lists, we may presume that the entire number of Visitors has been about 600, if not more, exclusive of such as belong to the families of Members. This vast increase is no small token of the growing prosperity of the Institution.

At the last Anniversary, several new Members were admitted; and others are to be announced at this. The Society being now firmly established, its permanency secured, and its utility generally acknowledged, it is natural to expect an increase of Members. Such an increase is very desirable, in the view of entering on the new premises now erecting; that there may be an augmentation of the funds, to meet the enlarged expenditure which will then be unavoidable: and from the rapid growth of public spirit in Whitby and the neighbourhood, we may fairly presume, that the most liberal support will be given to an Institution, so well calculated to promote the credit and advantage of the town, and the intellectual improvement of its inhabitants, not only in the present day but in future ages.

LAWS AND REGULATIONS

OF THE

Whitby Literary & Philosophical Society.

1. The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a MUSEUM, and for promoting the interests of SCIENCE by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea Annual*, shall be MEMBERS of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea Annual*, or of *Ten Guineas* at one time, without any Annual Subscription, shall be GOVERNORS of the Society.

3. The Business of the Society shall be conducted by a PATRON, a PRESIDENT, two VICE-PRESIDENTS, a TREASURER, two SECRETARIES, and a CURATOR; who, with a COMMITTEE of eight Members, shall form the COUNCIL of the Society.

4. The Council shall meet for transacting business on the first Thursday of every Month, or as often as they shall find necessary; and three Members shall form a Quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the third Friday in January, in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur.—Special Meetings may be called by the Council, or by any Seven Members, a week's notice being given.

7. The Museum shall comprise Collections of Fossils, Antiquities, specimens in Natural History; with other miscellaneous Curiosities, whether of Nature or Art: to which may be added Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of Members, on such days of the Week, and under such regulations, as the Council shall appoint. The families of Members, residing under their roof, shall have the privilege of visiting the Museum. No other Inhabitants of Whitby shall be admitted more than once. Strangers, who have their residence above Ten Miles from Whitby, may be introduced by

any Member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curator, or the Secretaries, may admit Members or Strangers to the Museum on those days when it is usually shut.

9. After the Society has existed one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting may appoint; but the Council may at any of its Meetings admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But, in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives; and all Members who have sold property to the Society, at a reduced price, shall have the option of repurchasing it at the same price.

12. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall at his death descend to his representative; but the Society shall decide by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due on it must be paid up; and the representative or assignee of a Life Governor shall not be exempted from the Annual Subscription of Half a Guinea, without paying the sum of Five Guineas, in lieu of such Subscription.

13. The Annual Subscriptions shall be paid to the Treasurer in advance, in the month of January, or within a month after the General Meeting in each Year. If any Member neglect to pay his Subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share shall be

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VICE-PRESIDENTS.

HENRY BELCHER, ESQ. | T. FISHBURN, JUN., ESQ.

TREASURER.

JOHN HOLT, ESQ.

COMMITTEE.

Mr. G. BUCK,
Mr. J. CAMPION,
Mr. J. MEWBURN,
Mr. T. PARKIN, JUN.
Mr. R. RIPLEY,
Mr. J. RIPLEY,
Rev. J. RUTHERFORD,
Mr. J. YEOMAN.

GOVERNORS BY SUBSCRIPTION.

LORD VISCOUNT NORMANBY.

COL. GEO. CHOLMLEY,
Mr. J. BIRD,
COL. JAMES WILSON,
Mr. H. WEATHERALD,

REV. GEO. YOUNG, A.M.

CURATOR.

Mr. JOHN BIRD.

SECRETARIES.

Mr. ANDREW SANDERS, | REV. GEO. YOUNG, A.M.

SUBCURATOR.

Mr. WILLIAM CORBISHLEY.

LIST OF MEMBERS.

Lord Viscount Normanby.

*H. A. Atcheson, Esq. M. B. *London*
H. Belcher, Esq.
Mr. Charles Belcher
John Benson, Esq.
Mr. John Bird
†Mr. R. Brewster
Mr. Gideon Buck
Robert Campion, Esq.
Mr. John Campion
Mr. Nath. Campion
Mr. George Chapman
Mr. Thomas Chilton
Col. George Cholmley
†Mr. W. Cooper
*W. H. Dikes, Esq. *Hull*
*Rev. William Eastmead, *Kirkby-Moorside*
Thos. Fishburn, Jun., Esq.
Mr. John Frankland
*Dr. G. Goldie, *York*
*Mr. J. Gillott, *Scarborough*
John Holt, Esq.
Mr. John Hugill
Mr. Jos. Hunter
Mr. Lars Kiersta
Rev. Chas. Lawson, B.A. *Richmond, Surrey*
Mr. John Mewburn
Richard Moorsom, Esq.
Rich. Moorsom, Jun., Esq.
Mr. William Nicholson
*Mr. R. Pickering, *Malton*
Mr. Thos. Parkin, Jun.
Chris. Richardson, Esq.
Mr. Richard Ripley
Mr. John Ripley
*Mr. William Robertson, *Newcastle*
Mr. Richard Rodgers
Rev. J. Rutherford
*W. Salmond, Esq. M.G.S. *York*
Jonathan Sanders, Esq.
Mr. George Sanders
Mr. Joseph Sanders
Mr. Andrew Sanders
Mr. John Sanderson
*Rev. W. Scoresby, F.R.S. M.W.S. &c. *Bridlington*
*H. F. Smith, Esq. *Darlington*
J. M. Sowerby, Esq.
*A. Thorpe, Esq. *York*
Mr. Thomas Turnbull
Edmund Turton, Esq.
*Rev. W. V. Vernon, M.G.S. *York*
Mr. Francis Watkins
Mr. Thomas Watson
Mr. Henry Weatherald
*Dr. T. Weatherill, *Liverpool*
Mr. James Wilkinson
*Mr. J. Williamson, *Scarborough*
Col. James Wilson
*Rev. Archdeacon Wrangham, A.M. F.R.S. &c.
Mr. John Yeoman
Rev. Geo. Young, A.M.

* *Honorary Members* † *Subscribers of 12s. yearly.*

DONATIONS

Presented to the Museum since the Publication of the Second Report.

Mr. J. ADAMS.—Russian Bottle made of Bark, and some Rock Specimens from the North Cape, &c.

Mrs. ASCOUGH, *London.*—A beautiful Parrot from Batavia.

Mr. BEAN, *Scarborough.*—Fine specimen of Fossil Coral.

THOS. BENSON, Esq., *London.*—Wasp's Nest from Surinam, two Egyptian Images, piece of Pompey's Pillar, &c.

Mr. BIRD.—Crystals from Cape Diamond, burnt Wood from Pompeii, 30 local Tokens, Iron Plate with Conglomerate, &c.

Mr. BOTHAM.—Two curious Coins.

CAPT. BRAITHWAITE.—Head of a Babyroussa.

REV. J. BREWSTER, *Egglescliff.*—Three pieces of Roman Tile, &c. from the Roman Wall.

THOS. BRODRICK, JUN., ESQ.—Young Narwal from Greenland.

Mr. J. CALVERT, *Leeds.*—Collection of Phytolites, Encrinites, Reeds, &c.

Mr. G. CHAPMAN.—Ten Local Tokens.

Mrs. T. CHILTON.—Large Saw of a Saw-Fish.

COLONEL CHOLMLEY.—Fossil Fish from Monte Bolca, and three ancient Peter Pennies.

HENRY CLARKE, ESQ.—Inscriptions on ancient Bells at Guisborough.

Mr. J. COLLIER, *Malton.*—Very large specimen of Pyrites.

Mr. J. COULSON.—Pair of Egyptian Slippers, and piece of Granite from the Great Pyramid.

Mr. COWTON, *Bridlington.*—A Fossil Pholas.

Mr. W. DAWSON.—Piece of Verde Antique, of Pompey's Pillar, &c.

CAPT. DIXON.—Mutilated Antique Marble Statue, from the Island of Milo.

Mr. FRANKLAND.—Head of a Statue, piece of carved Jet, and three Blocks of Wood, dug up from the foundation of a house.

MASTER FRANKLAND.—Ancient Egyptian & Turkish Coins.

Mr. J. GILLOTT, *Scarborough.*—Some rare Fossils, 50 specimens of Lichen, &c.

Mr. J. GLAVES.—Madrepores and Fossil Shells from Westmorland, Roman Tesseræ, &c. from Nottinghamshire.

Mr. GORDON.—Part of a Tree planted by Linnæus.

Mr. T. HARDING.—Quiver and Arrows, with ornamented Belt, from the Ashantees, some Foreign Shells, Insects, and Fruits.

Mr. R. Kirby, *Cliff-Lane.*—A Pair of Rein-Deer's Horns.

Rev. Charles Lawson, B.A. *Richmond, Surrey.*—Piece of Otaheitan Cloth.

Mr. Marley.—Twenty East Indian Coins.

Rich. Moorsom, Esq.—Furniture of the Esquimaux Canoe, formerly presented by him.

R. Moorsom, Jun., Esq—Fine Piece of Otaheitan Cloth.

Mr. Metcalfe.—A Fine Chinese Shawl.

Capt. Allen Otty, R.N. *St. John's, New Brunswick.*—Curious excrescences of Wood, specimens of Iron, Manganese, &c., from America.

Mr. Jon. Patrick.—Coral, and Lava, from the West Indies.

Mr. R. Pickering, *Malton.*—Large Collection of Fossil Shells, &c.

Capt. Potter.—Fine Medal of Queen Caroline, some Russian & ancient Sicilian Coins, 3 Lizards, a Scorpion, &c.

Mr. T. Readshaw.—An Ancient Candlestick.

Mr. R. Ripley.—A Flying Fish, two rare Ammonites, an Esquimaux Spear, an elegant Russian Crucifix, specimens of Flos Ferri, &c.

Mr. Wm. Robertson, *Newcastle.*—Large Assortment of Minerals and Rock Specimens.

Mr. J. Routh.—Sixteen Local Tokens.

Mr. W. Scoresby.—Piece of Jet elegantly marked, piece of Wood from Greenland, bearing a Russian Mark.

Mr. Hugh Scott.—Indian Bow, with two Arrows.

H. F. Smith, Esq., *Darlington.*—Large Assortment of Minerals and Rock Specimens.

Mr. W. Trueman.—An Esquimaux Paddle, some Fossil Shells, and a Collection of Insects.

Mr. J. Vardy, *Wolverhampton.*—Fine Trilobite from Dudley.

Mrs. Wass.—Four specimens of Asterias.

Mr. F. Watkins.—A Kestrel Hawk, a Cuckoo, a Landrail, a Teal Drake, and a Water Hen.

Mr. J. Williamson, *Scarborough.*—Several Madreporites, Spongites, and Shells.

Capt. Willis.—A Serpent, a Lizard, a young Turtle, and a Locust.

Master Yeoman, *Woodlands.*—Some Petrified Shells.

Mr. Michael Young.—Some Rock Specimens from Baffin's Bay.

Rev. G. Young, *A.M.*—Pair of Turkish Slippers, a Cat, a Goldfinch, several Petrifactions, &c.

Messrs. Young & Bird.—Large Collection of Rock Specimens.

R. Rodgers, Printer, Whitby.

BRIT. MUS.
15 JUN 29

BRIT. MUS.
15 JUN 29
NAT. HIST.

4

ASHMOLEAN
NATURAL HISTORY

FOURTH REPORT

OF THE

WHITBY LITERARY

AND

PHILOSOPHICAL SOCIETY,

PRESENTED AT

THE ANNUAL MEETING, JANUARY 19th, 1827:

WITH THE

LAWS & REGULATIONS

OF THE SOCIETY,

A LIST OF THE OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.

WHITBY:
PRINTED BY R. RODGERS, BOOKSELLER.

1827.

BRITISH MUSEUM
NATURAL HISTORY

FOURTH REPORT.

THE Whitby Literary and Philosophical Society are now met to hold their Fourth Anniversary; and it is a subject of pleasing congratulation, not only to the Council, but to all the Society, that we are assembled in a building so commodious and respectable, and so well fitted up for receiving and displaying those rich collections which the Society has accumulated. The removal of these collections to this desirable situation, where they are arranged in a new form, and placed in a more advantageous light, is the principal matter to be reported by your Council, having occupied their chief care during the last half-year.

This grand measure has somewhat interrupted the usefulness of the Institution; for, during its progress, throughout the space of more than three months, the Museum was unavoidably shut up, not only from strangers, but in a great

measure from the Members of the Society. Hence, the number of visitors since last Anniversary, has been considerably less than in the former year; amounting only to 282, of whom 231 are in the list of strangers, and 51 belonging to the town and neighbourhood. It may be supposed by some, that a shorter space of time might have intervened between the shutting of the old Museum, and the opening of the new; but we have to notice, that much time was necessarily employed, in fitting up the present Museum with suitable cases, and other accommodations, for receiving the collections of the Society; that nearly the whole of these collections required to be newly arranged; and that the labour of arranging them devolved almost entirely on one individual. Under these circumstances, it is not surprising, that so great a portion of time was consumed; and the length of the interval was of the less moment, as it occurred at a season when visitors are not the most numerous.

But the sacrifice of time or of labour, attending this removal, must be regarded as well bestowed, when we consider the vast advantages resulting from the measure. We have removed to a situation every way more eligible than the former; possessing the advantages of light, fresh air, an agreeable prospect, and convenience of access. Here our whole collection, in its various

departments, is brought together; and being arranged in cases fitted to display the forms and properties of the objects in each department, the facility of inspection is much increased. The shutting up of nearly the whole in glass cases, may indeed be regarded, as impeding the examination of those objects which were formerly exposed to the touch; yet this advantage must be more than counterbalanced, by the greater security of the collections from the danger of decomposition and other injuries. It was high time, that our inestimable fossil, the great crocodile, and other organic remains, which lay exposed in the former Museum, should be put in cases adapted for their preservation; that they may continue to excite the wonder, and gratify the curiosity, of future ages. Without this precaution, a great proportion of our fossils from the alum shale, must have perished in a few years; and the whole of our vegetable impressions on coal shale, of which we have now a large and interesting collection, would have been decomposed much sooner; several specimens having already begun to shew the dangerous effects of exposure to the atmosphere.

The Council regret to observe, that there are still several portions of the Society's property for which no sufficient cases have yet been procured; particularly the collection of Birds, which is still increasing; the specimens of Works of

Art from foreign countries; and the more perishable kinds of Antiquities; not to mention Lichens, Mosses, and some other departments in Natural History, for accommodating which there is scarcely any provision made in the present arrangements. But after having incurred an expense of about £75, in fitting up this Museum, your Council found it necessary to pause, before deciding on the erection of any more cases; lest you should have just cause to charge them with improvidence. We trust, however, that as several new and respectable contributors are joining our Institution on the present occasion, and as a liberal subscription has been entered into for defraying the expense of fitting up the Museum, the time is not very far distant, when the debts incurred by this important measure will be paid off, and the Society be enabled to provide such other cases as may be required to contain their growing collections.

It will be seen from the List of Donations for the past year, that the Museum continues to be enriched by the liberality of numerous Friends, in various departments, especially in that of Antiquities: and your Council cannot omit mentioning in particular the generosity of Mrs. Benson of London, who has presented a valuable donation of Egyptian Antiquities. The largest accessions received during the year, are in the departments of Minerals, Rock Specimens, and

Fossils. These have been obtained, partly by gift, and partly by exchange; and we are bound to notice the handsome behaviour of the gentlemen with whom we have corresponded in this line; particularly G. Cumberland, Esq. F.G.S., Bristol; the Rev. R. H. Whitelock, Manchester; and Mr. Wm. Hutton, Newcastle; each of whom has been elected an Honorary Member of the Society. The same mark of respect has also been paid to the Rev. W. Turner, Newcastle; Mr. John C. Glaves, now of Whixley; and Mr. Wm. Wilson, and Mr. Wm. Bean, of Scarborough; all of whom have been benefactors to the Institution, and are likely in various ways to promote its interests. The department of Minerals has also received additions from the bounty of former friends; particularly, the Rev. W. V. Vernon, F. G. S., President of the Yorkshire Philosophical Society, and Dr. Goldie, one of its Secretaries.

The attention of the Council having been so much employed in other duties, it is not surprising that little has been done, since last Anniversary, in the way of reading Essays. The only meeting for this purpose that has occurred, is that which was held on the 3d instant, at the opening of the new Museum; when an Essay on Springs was read by the Rev. Geo. Young, A.M. to a numerous and respectable company of Ladies and Gentlemen.

But now that the Society is fixed in a situation likely to be permanent, and more commodious for holding Meetings than the former rooms, we may presume that exercises of this kind will be much more frequent, and will excite a more general interest among the Members and Subscribers.

On the whole, it must be highly gratifying to the founders and friends of this Institution, to see it placed on a footing so respectable, with such encouraging prospects of stability and increase. And when we reflect on its rapid growth during these four years, we may safely look forward to a period, when its Collection, in some departments, will be equal, if not superior, to any Provincial Collection in the world. Strangers from all quarters, will admire, as they have already done, the fossil treasures which you have amassed; and future generations will be instructed in various branches of science, through the rich stores which your liberality has provided.

LAWS AND REGULATIONS

OF THE

WHITBY LITERARY & PHILOSOPHICAL SOCIETY.

1. The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a MUSEUM, and for promoting the interests of SCIENCE by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea Annual*, shall be MEMBERS of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea Annual*, or of *Ten Guineas* at one time, without any Annual Subscription, shall be GOVERNORS of the Society.

3. The Business of the Society shall be conducted by a PATRON, a PRESIDENT, two VICE-PRESIDENTS, a TREASURER, two SECRETARIES, and a CURATOR; who, with a COMMITTEE of eight Members, shall form the COUNCIL of the Society.

4. The Council shall meet for transacting business, on the first Thursday of every Month, or as often as they shall find necessary; and three Members shall form a Quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October, in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur.—Special Meetings may be called by the Council, or by any Seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens in Natural History; with other miscellaneous Curiosities, whether of Nature or Art: to which may be added Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the Week, and under such regulations, as the Council shall appoint. The families of Members, *residing under their roof*, shall have the privilege of visiting the Museum. No other Inhabitants of Whitby shall be admitted; except Benefactors, who may be introduced by any of the Council. Strangers who have their residence above Ten Miles from Whitby, may be introduced by any

Member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curator, or the Secretaries, may admit Members or Strangers to the Museum on those days when it is usually shut.

9. After the Society has existed one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting may appoint; but the Council may at any of its Meetings admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But, in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives; and all Members who have sold property to the Society, at a reduced price, shall have the option of repurchasing it at the same price.

12. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall at his death descend to his representative; but the Society shall decide by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due on it must be paid up; and the representative or assignee of a Life Governor shall not be exempted from the Annual Subscription of Half a Guinea, without paying the sum of Five Guineas, in lieu of such Subscription.

13. The Annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each Year. If any Member neglect to pay his Subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share shall be

paid up: and if any Member neglect paying his Subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all his right and interest in the property of the Institution.

14. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

15. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect for bringing him to order: but such expulsion shall not take place, without giving a month's notice at least to the offending Member, and without the concurrence of three fourths of the Members present at the Public Meeting of the Society held for that purpose.

16. Each Member, upon his Admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a Member of it.

17. These Laws may be amended or enlarged at any General or Special Meeting of the Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

Regulations for Admission to the Museum, adopted by the Council, and confirmed by the General Meeting.

1. The Museum shall be open from half past Ten to half past Twelve, on Tuesday and Thursday in every week.

2. Any Member may introduce personally, or by a written order, a Friend or Stranger residing above ten miles from Whitby; but no person residing in Whitby or its immediate vicinity, not belonging to the household of a Member, shall be admitted; except Benefactors, who may be introduced by a Member of the Council.

3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by the personal introduction of one of the Council, or by an order from the Curator or from one of the Secretaries.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a Book to be kept for that purpose in the Museum.

5. No person introduced into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a Stick or Umbrella into the Museum, or any thing likely to occasion damage.

OFFICERS FOR 1827.

PATRON.

THE RIGHT HON. LORD VISCOUNT NORMANBY.

PRESIDENT.

RICHARD MOORSOM, JUN., ESQ.

VICE-PRESIDENTS.

HENRY BELCHER, ESQ. | T. FISHBURN, ESQ.

TREASURER.

JOHN HOLT, ESQ.

COMMITTEE.

Mr. J. ANDERSON, JUN.	Mr. J. MEWBURN,
Mr. C. BELCHER,	Mr. T. PARKIN, JUN.
Mr. T. CHILTON,	Rev. J. RUTHERFORD,
Mr. J. HUNTER,	Mr. F. WATKINS.

GOVERNORS BY SUBSCRIPTION.

LORD VISCOUNT NORMANBY,

COL. GEO. CHOLMLEY,	COL. JAMES WILSON,
Mr. J. BIRD,	Mr. H. WEATHERALD,

Rev. GEO. YOUNG, A M.

CURATOR.

Mr. JOHN BIRD.

SECRETARIES.

Mr. RICHARD RIPLEY, | Rev. GEO. YOUNG, A.M.

SUBCURATOR.

Mr. WILLIAM CORBISHLEY.

MEMBERS OF THE SOCIETY.

LORD VISCOUNT NORMANBY.

Mr. John Anderson, Jun.
Henry Belcher, Esq.
Mr. Charles Belcher
John Benson, Esq.
Mr. John Bird
Mr. R. Brewster
Mr. Gideon Buck
Robert Campion, Esq.
Mr. John Campion
Mr. Nath. Campion
Mr. Geo. Chapman
Mr. Thomas Chilton
Col. Geo. Cholmley
Thomas Fishburn, Esq.
Mr. Thomas Fletcher
Mr. John Frankland
John Holt, Esq.
Mr. John Hugill
Mr. Jos. Hunter
Mr. Lars Kiersta
Dr. John G. Loy
Mr. John Mewburn
Richard Moorsom, Esq.
Richard Moorsom, Jun. Esq.
Mr. Wm. Nicholson
Mr. Thos. Parkin, Jun.
Chris. Richardson, Esq.
Mr. Richd. Ripley
Mr. John Ripley
Mr. Richd. Rodgers
Rev. J. Rutherford
Jonathan Sanders, Esq.
Mr. Joseph Sanders
Mr. Andrew Sanders
Mr. John Sanderson
Mr. William Scoresby
J. M. Sowerby, Esq.
Mr. Thomas Turnbull
Edmund Turton, Esq.
Mr. George Vasey
Mr. Francis Watkins
Mr. Thomas Watson
Mr. Henry Weatherald
Mr. James Wilkinson
Col. James Wilson, M. P.
Mr. John Yeoman
Rev. George Young, A. M.

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Mr. Wm. Barker, *London*
Rev. Wm. Blackburn
Mr. Boad
Mr. Joseph Chapman
Mr. William Cooper
Miss Gordon
Mr. Rob. Kirby, *Printer*
Rev. Charles Lawson, B. A. *Richmond, Surrey*
Mr. Francis Wardale
Mr. John Watson

HONORARY MEMBERS.

Henry Atcheson, Esq. F.C.P.S. *London.*

Mr. William Bean, *Scarborough.*

G. Cumberland, Esq. M.G.S. *Bristol.*

W. H. Dikes, Esq. F.L.S. *Hull.*

Rev. William Eastmead, *Hull.*

Mr. J. Gillott, *Scarborough.*

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Dr. George Goldie, *York.*

Mr. William Hutton, *Newcastle.*

Mr. R. Pickering, *Malton.*

Mr. William Robertson, *Newcastle.*

William Salmond, Esq. F.G.S. *York.*

Rev. W. Scoresby, F.R.S. M.W.S. &c. *Bridlington.*

H. F. Smith, Esq. *Darlington.*

Anthony Thorpe, Esq. *York.*

Rev. William Turner, *Newcastle.*

Rev. W. V. Vernon, F.R.S. F.G.S. *York.*

Dr. Thomas Weatherill, *Liverpool.*

Rev. R. H. Whitelock, *Manchester.*

Mr. J. Williamson, *Scarborough.*

Mr. William Wilson, *Scarborough.*

Rev. Archdeacon Wrangham, A.M. F.R.S. F.C.P.S. &c., *Hunmanby.*

DONATIONS.

Presented to the Museum since the Publication of the

THIRD REPORT.

Mrs. BENSON, *London.*—Mummy Cat from Upper Egypt, 3 Egyptian Figures, and some Fragments of ancient Buildings in Egypt.

Mr. BIRD.—Tesseræ from St. Peter's Church at Rome.

Mr. BREWSTER.—Specimens of Copper Ore from Drummelzier, Roman Tiles, &c. from the Roman Wall.

Mr. G. BUCK.—Fine Specimen of Landscape Marble.

Mr. G. CHAPMAN.—Box of Cocoa wood, richly carved.

Mr. CHAPMAN, *Brotton.*—Two ancient Coins, and a Fossil Vertebra.

Mr. W. COLLIER.—Antique Smoothing-box.

Mr. CORBISHLEY.—Specimens of Mica, a Cup made of Rice, and curious Depositions from the Gas Works.

Mr. E. CORNER.—A Bittern.

Mrs. COULSON.—Elegant Shell Breastplate from Tongataboo.

G. CUMBERLAND, ESQ., *Bristol.*—Large Collection of Fossils, & Rock Specimens, from the South & West parts of England.

Rev. WILLIAM ELLIS.—Specimens of Lava and Volcanic Sulphur from Hawaii; and 24 specimens of South Sea Cloth.

LIEUT. C. FEATHERSTONE, R. N.—Rhinoceros Horn from the East Coast of Africa.

Mrs. FOTHERLEY.—Curious Spear, armed with Sharks Teeth, from the Friendly Islands.

CAPT. GALLILEE, *Staiths.*—A Humming Bird.

Dr. GOLDIE, *York.*—Some valuable Minerals from Iceland.

Mrs. GREENBURY.—Three rare Insects from the East Indies.

Mr. T. HARDING.—Pair of Esquimaux Spectacles.

Mr. WM. HARRISON, *Ruswarp.*—Club or Baton of a New Zealand Chief, Specimen of Coral from the East Coast of Sumatra.

Mr. M. HILL.—Large Turkish Cannon Ball of Granite, and an antique Pipe-head.

Mr. HUGILL.—Pine Branch with rich Cones.

Mr. W. HUTTON, *Newcastle.*—Fine Collection of Vegetable Impressions on Coal Shale, 20 Norwegian Minerals, and many Rock Specimens.

CAPTAIN LOTHERINGTON.—Egyptian Shells, and a piece of Granite from the Great Pyramid.

Mr. MEWBURN.—Fine Collection of British Insects collected by Mr. Wilcox, and two small Figures of Mercury.

Mr. J. NAILOR, JUN.—Some Shells taken out of a Codfish, caught on the Banks of Newfoundland.

Mr. PHILLIPS, *York*.—Good Specimen of Strontian, from the Limestone at Sherburn.

Mr. RIDLEY.—A crested Heron.

Mr. RIPLEY.—Several Local Tokens, &c.

Mr. F. K. ROBINSON.—Glass Pipe from St. Petersburgh, and a piece of Canvas made of long grass at Buenos Ayres.

Mr. RODGERS.—Small Turtle.

Mr. SHERDON.—Five Specimens of New Zealand Cloth.

Miss SUMMERSON.—Chinese Parasol.

Mr. W. TRUEMAN.—Pieces of Painted Glass from Whitby Abbey, some Tesseræ from Rievaux Abbey, an ancient Newspaper, several rare Fossil Shells, &c.

Mr. T. TURNBULL.—An ancient Newspaper.

Rev. W. V. VERNON, F.R.S. &c., *York*.—Some rich Islandic Minerals.

Mr. WALKER, *Artist*.—Specimen of Strontian from Knaresborough.

Mr. WATKINS.—Two curious Medals.

Rev. R. H. WHITELOCK, *Manchester*.—Valuable Collection of Minerals, Vegetable Impressions on Coal Shale, &c.

Mr. J. WILCOX, *Hutton-Bushel*.—A crested Heron.

COL. J. WILSON, M.P.—A large Glass Case, valued at eight Guineas.

Mr. W. WILSON, *Scarborough*.—Collection of Rock Specimens and Minerals, from Port Bowen, &c., procured in Captain Parry's last Voyage.

Mr. W. WILLISON.—Specimen of *Sphinx atropos*, and of a rare Beetle.

Rev. ARCHDEACON WRANGHAM, F.R.S., &c.—Two good Specimens of Inoceramus.

Master YEOMAN, *Woodlands*.—Horn of a Unicorn Fish, with part of the Skull.

YORKSHIRE PHILOSOPHICAL SOCIETY.—Cast of the Under Jaw of the Plesiosaurus, some Phytolites, &c.

Rev. G. YOUNG, A.M.—Wild Boar's Tusk, piece of Coal Shale containing a Fossil Beetle from Danby Coal Pits, Soul-mass Loaf above 100 years old, ancient Roman Buckle, several rare Fossils, &c.

From the Office of R. Rodgers, Whitby.

BRIT. MUS.
15 JUN 29

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRITISH MUSEUM
NATURAL HISTORY

FIFTH REPORT OF THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING,

OCTOBER 31ST, 1827:

WITH

The Laws and Regulations of the Society,

A LIST OF THE

OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.

WHITBY:

PRINTED BY R. KIRBY, BOOKSELLER,
BRIDGE-STREET.

1827.

BRITISH MUSEUM
NATURAL HISTORY

FIFTH REPORT.

In conformity with a resolution adopted at last Annual Meeting, the Fifth Anniversary of this Institution is held in the close of the present month (October), instead of being kept, as hitherto, at the commencement of the new year. In consequence of this arrangement, little more than nine months have elapsed since our last Anniversary, and the proceedings of that period only are now to be reported by your Council. But although the period of their service has been thus abridged, the matters which they have to report are not less interesting than the transactions of former years.

A few weeks after the last Anniversary, we were deprived of the valuable services of one of your Secretaries, Mr. Andrew Sanders; who, having gone to reside at Stockton, resigned his office, the duties of which he had discharged during four years, with fidelity, diligence, and zeal. At a general Meeting of the Society held soon after, on the 16th day of March, thanks were unanimously voted to Mr. Sanders, for his esteemed services; and Mr. Richard Ripley, who had frequently assisted the Secretaries in their labours, was

chosen his successor. The important and strenuous exertions, which this Gentleman has made for the good of the Society, since his election, have fully justified this appointment; so that, while we regret the loss of Mr. Sanders's labours, it is gratifying to think, that the Society has obtained another Secretary, who is resolved to serve its interests in a manner not less efficient.

Your Council find great pleasure in reporting, that the anticipations of the progress, and growing respectability, of the Institution, expressed in the last annual Report, have been realized to an extent even beyond their expectations. An increase of six new Members, and an equal number of Annual Subscribers, was announced at our last Anniversary: and other most respectable accessions have been since obtained. In the early part of summer, it was judged expedient, to make known the nature and operations of the Society, to some Noblemen and Gentlemen, well known as the patrons of literature and science, and likely to befriend our growing establishment: and the result of this measure, coupled with a general impression of the value of this Institution, is truly gratifying. The Right Honourable the Earl of Carlisle, the Right Honourable the Earl of Mulgrave, and Henry Walker Yeoman, Esq., have become Life Gov-

ERNORS of the Society, by a subscription of TEN GUINEAS each. Another Member, and four more Annual Subscribers, have likewise been added to our number. These important additions will naturally pave the way for others; and a further increase of Members and Subscribers will be announced at the present Meeting.

While the funds of the Society have been materially augmented by the addition of so many new contributors, your Council have also the satisfaction of stating, that the subscription commenced at last Annual Meeting, to assist in defraying the expense of fitting up the new Museum, has produced the sum of £30, including £3 received as Donations from Visitors. A few other Members, who have not yet seen the subscription list, are expected to add their names; and if the amount shall thus be increased a few pounds more, enough will have been raised to pay off the whole debt of £75, and upwards, due at last Annual Meeting, without encroaching on the resources of the ensuing year. This statement cannot fail to be highly gratifying to all the Members and Friends of the Institution, as it indicates a degree of prosperity exceeding the most sanguine expectations that had been entertained.

But this is not all.—Soon after our last Anniversary, Colonel James Wilson, M. P., whose liberality your Society has so often ex-

perienced, purchased, at an expense of EIGHT GUINEAS, a large upright glass case, to assist in fitting up the lower end of the Museum. This instance of generosity encouraged your Council, with the advice and concurrence of other Members of the Society, to proceed with a plan for fitting up and improving the whole of that lower part of the room: and this has been carried into effect at an expense comparatively small.

By the adoption of this measure, large additional accommodations are provided, for Birds, and for Miscellaneous Curiosities: part of which have been supplied by Col. Wilson himself. At the same time, the appearance of this part of the room has been vastly improved. So striking, indeed, is the effect of this improvement, that a strong desire has been excited, to have the other three sides of the room fitted up in the same elegant style, as soon as the state of our finances will allow it; and your Council finding, that the expense of fitting up these three sides with a cornice, shelves, and supporters, would scarcely exceed sixteen pounds, have resolved to enter on this undertaking, trusting to the liberality of the Society, and anticipating its increased resources. The execution of this plan has hitherto been deferred; partly to avoid the inconvenience of shutting up the Museum, at a time when much company was resorting to it; and partly in the

hope, that the augmentation of the funds, obtained at this Meeting, may encourage the Council for the ensuing year, not only to carry this measure into effect, but to fit up at least the upper end of the room with glass cases, to make it correspond better with the lower end. It is of great importance, indeed, could we undertake it, to have each side of the room covered in with glass, as specimens laid on open shelves will always be exposed to injury.

The necessity of providing further accommodations for the Society's valuable collection, appears from its constant increase; which has been very considerable during this year, chiefly through the liberality of its numerous Friends. It will be seen from the List of Donations, that in this, as in former years, many valuable presents have been made to the Museum. Indeed, every month, and almost every week, some new benefaction has been deposited.—The department of Miscellaneous Curiosities has received the most considerable additions. Among these we may particularly notice;—a large and handsome Burmese Idol of cast metal, from a temple at Arracan, presented by Mr. Wm. Turner, together with a few silver Rupees; a valuable assortment of clubs, spears, and other weapons, from the Japan Islands, presented by Mr. Christopher Crawford, of London;—some beautiful ar-

ticles of Female Dress, from China, presented by Miss Ascough, of London; — and a very correct and elegant model of the Ruins of Whitby Abbey, the workmanship and the gift of Mr. Francis Kildill Robinson. — Several presents of Coins and Medals, both ancient and modern, have been received from various Friends; among whom it may be proper here to name, Mr. Mewburn, Mr. Lowrie, and especially Mr. Kiersta*; who has also presented a collection of Rock specimens and Minerals from Norway. — In the department of Natural History, the following articles merit particular notice; a fine specimen of the Platypus, or Ornithorhynchus Paradoxus, from New South Wales, presented by Ingram Chapman, Esq., of London; a large and fine specimen of the Hercules Beetle, presented by Captain Power; a handsome Fox, presented by Mr. Cole, of Stokesley; and a number of British Birds, presented by Mr. James Wilcox, of Hutton Bushell, a gentleman whose libera-

* At the time of the Annual Meeting, Mr. Kiersta presented a very large and handsome Silver Medal of the Emperor Leopold I, and a fine Rose Noble of King Edward III, a Donation worth several Guineas.— Since the Meeting, other valuable Donations have been received; particularly, a handsome Silver Ornament, worn by a Madagascar Chief, presented by Captain Moorsom, R. N.; a fine collection of Vegetable Impressions on sandstone, from the Gristhorpe shore, presented by Mr. Williamson, of Scarborough; a valuable collection of Fossils, presented by Mr. Bean, of Scarborough; two specimens of the Hercules Beetle, presented by Mr. Taylor Gibson, of Newcastle.

lity has been experienced in former years.—Our collection of Fossils has also received important accessions. Mr. Ripley has presented a number of rare Ammonites, and other Fossils; and Messrs. Bird, Parkin, Ripley, and Young, have given a large collection of Fossil Shells, from the Glazedale Dogger. Mr. Geo. Watson has presented a beautiful Fossil Fish from the magnesian limestone of the county of Durham: Mr. Glaives has given a collection of Fossils from the oolite; and various other Donations will be found mentioned in the annual List.

While the Society is so liberally supported, it may well be expected to act a liberal part towards the public; and, by this principle, which guided the Society in the Resolutions of last Annual Meeting, the proceedings of your Council have been regulated. Nothing is exacted for admission to the Museum, as was at one time proposed; but strangers, as well as benefactors, are still freely admitted, on the recommendation of Members or Subscribers. A proposal has also been made, and will this day be submitted to your decision, that Officers of the Army and Navy, occasionally here on duty, shall have free admission, as Honorary Members, during their official residence;

and that the same privilege shall be extended to the regular Methodist Ministers, during the term of their residence in Whitby. This liberal proposal appeared to your Council so congenial to the spirit manifested by this Society, that, anticipating your decision, they have taken the liberty to act upon it, with regard to the Gentlemen concerned, now resident in Whitby.

The reading of Essays has been more attended to in this year than in last; yet Meetings for this purpose have not been held regularly. An Essay on the Works of Samuel Jones, Gent. the Poet of Whitby, by Mr. J. W. Robinson, of London, was read at a public Meeting, held on the 16th of March. At a subsequent Meeting, held April 12, the Rev. William Scoresby, F.R.S. &c., an Honorary Member of the Society, gave a Lecture on Atmospheric Refraction, and on some phenomena of the Rainbow. On the 18th of July, another Meeting was held, when there was read an Essay on the Salmon and Salmon Trout Fisheries of the Esk, by Mr. J. W. Robinson, who was unanimously elected an Honorary Member of the Society. At the same Meeting, a drawing of the head and horns of a Fossil Elk, found in a peat bog on

the shore at Skipsea, and now in the possession of Arthur Strickland, Esq., was exhibited to the company; and some appropriate observations on this discovery were made by Mr. Young. Nothing more of this nature remains to be stated, unless we notice what has taken place at an early stage of the present Meeting, when Mr. Young read an Essay on the Kirkdale Cave and its contents, illustrating the subject by numerous specimens of Fossil Bones, &c., from the Cave, now in the Museum.

Under all the circumstances stated above, it is not surprising, that our Museum should become an object of increasing attraction. Accordingly, the list of Visitors, during these ten months, has exceeded that of any former year, the number amounting to above 620. A few of these were Donors or Benefactors, resident in or near Whitby, admitted on account of services rendered to the Society; but by far the greater number were strangers, from various parts of Britain, and of the world; and several of them persons of rank, and of high literary attainments.

After communicating these interesting facts, it is unnecessary for your Council to say more, for encouraging you to go on in your

laudable undertakings. The rapid increase of the Society's respectability and resources, leaves us nothing to fear, but gives us every thing to hope: and as public spirit has of late been advancing in Whitby with rapid strides, we need not doubt, that this useful Institution will continue, from year to year, to be honoured with its due share of patronage and support.

LAWS AND REGULATIONS
OF THE
WHITBY LITERARY & PHILOSOPHICAL SOCIETY.

1. The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a MUSEUM, and for promoting the interests of SCIENCE by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea Annual*, shall be MEMBERS of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea Annual*, or of *Ten Guineas* at one time, without any Annual Subscription, shall be GOVERNORS of the Society.

3. The Business of the Society shall be conducted by a PATRON, a PRESIDENT, two VICE-PRESIDENTS, a TREASURER, two SECRETARIES, and a CURATOR; who, with a COMMITTEE of eight Members, shall form the COUNCIL of the Society.

4. The Council shall meet for transacting business on the first Thursday of every Month, or as often as they shall find necessary; and three Members shall form a Quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October, in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur.—Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens in Natural History; with other miscellaneous Curiosities, whether of Nature or Art; to which may be added, Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the Week, and under such regulations, as the Council shall appoint. The families of Members, *residing under their roof*, shall have the privilege of visiting the Museum. No other Inhabitants of Whitby shall be admitted; except Benefactors, and Honorary Members. Strangers who have their residence above Ten Miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curator, or the Secretaries, may admit Members or Strangers to the Museum, on those days when it is usually shut.

9. After the Society has existed one year, all new Members shall be admitted by ballot, at a General Meeting of the So-

ciety, on such terms as that Meeting may appoint; but the Council may at any of its Meetings admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. Officers of the Army or Navy, stationed in Whitby upon duty, shall have the privilege of Honorary Members, for the term of their official residence; and the same privilege shall be enjoyed by the regular Methodist Preachers, during the period of their ministry at Whitby.

12. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives; and all Members who have sold property to the Society, at a reduced price, shall have the option of repurchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall at his death descend to his representative; but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due on it must be paid up; and the representative or assignee of a Life Governor shall not be exempted from the Annual Subscription of Half a Guinea, without paying the sum of Five Guineas, in lieu of such Subscription.

14. The Annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each Year. If any Member neglect to pay his Subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share shall be paid up; and if any Member neglect paying his Subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all his right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect for bringing him to order: but such expulsion shall not take place, without giving a month's notice at least to the offending Member, and without the concurrence of three fourths of the Members present at the Public Meeting of the Society held for that purpose.

17. Each Member, upon his Admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a Member of it.

18. These Laws may be amended or enlarged at any General or Special Meeting of the Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

Regulations for Admission to the Museum, adopted by the Council, and confirmed by the General Meeting.

1. The Museum shall be open from half past Ten to half past Twelve, on Tuesday and Thursday in every week.

2. Any Member may introduce personally, or by a written order, a Friend or Stranger residing above ten miles from Whitby; but no person residing in Whitby or its immediate vicinity, not belonging to the household of a Member, shall be admitted; except Benefactors, who may be introduced by a Member of the Council.

3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by the personal introduction of one of the Council, or by an order from the Curator, or from one of the Secretaries.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a Book to be kept for that purpose in the Museum.

5. No person introduced into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a Stick or Umbrella into the Museum, or any thing likely to occasion damage.

OFFICERS FOR 1828.

PATRON.

THE RIGHT HON. LORD VISCOUNT NORMANBY.

PRESIDENT.

RICHARD MOORSOM, JUN., ESQ.

VICE-PRESIDENTS.

HENRY BELCHER, ESQ. | T. FISHBURN, ESQ.

TREASURER.

JOHN HOLT, ESQ.

COMMITTEE.

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Mr. C. BELCHER,
Mr. J. FRANKLAND,
Mr. J. HUNTER,
Mr. J. MEWBURN,
Mr. T. PARKIN, JUN.
Rev. J. RUTHERFORD,
Mr. J. YEOMAN.

GOVERNORS BY SUBSCRIPTION.

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LORD VISCOUNT NORMANBY,

COL. GEO. CHOLMLEY,
Mr. J. BIRD,
H. W. YEOMAN, ESQ.
COL. JAMES WILSON, M.P.
Mr. H. WEATHERALD,
Rev. GEO. YOUNG, A. M.

CURATOR.

Mr. JOHN BIRD.

SECRETARIES.

Mr. RICHARD RIPLEY, | Rev. GEO. YOUNG, A. M.

SUBCURATOR.

Mr. WILLIAM CORBISHLEY.

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LORD VISCOUNT NORMANBY.

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Mr. Charles Belcher
John Benson, Esq.
Mr. John Bird
Miss Boulby
Mr. R. Brewster
Mr. Gideon Buck
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Mr. John Campion
Mr. Nath. Campion
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Mr. Thomas Chilton
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Thomas Fishburn, Esq.
Mr. Thomas Fletcher
Mr. John Frankland
Mr. Thomas Gallilee
John Holt, Esq.
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Mr. Jos. Hunter
Mr. Lars Kiersta
Dr. John G. Loy
Mr. John Mewburn
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Richard Moorsom, Jun. Esq.
Mr. Wm. Nicholson
Mr. Thos. Parkin, Jun.
Chris. Richardson, Esq.
Mr. Richard Ripley
Mr. John Ripley
Mr. Richard Rodgers
Rev. J. Rutherford
Jonathan Sanders, Esq.
Mr. Joseph Sanders
Mr. Andrew Sanders
Mr. William Scoresby
J. M. Sowerby, Esq.
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Mr. Thomas Turnbull
Edmund Turton, Esq.
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Mr. Thomas Watson
Mr. Geo. Watson
Mr. Henry Weatherald
Mr. James Wilkinson
Col. James Wilson, M. P.
Mr. John Wilson
H. W. Yeoman, Esq.
Mr. John Yeoman
Rev. George Young, A. M.

ANNUAL SUBSCRIBERS.

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Mr. Geo. Anderson
Mr. Joseph Barker
Mr. Wm. Barker, *London*
Rev. Wm. Blackburn
Mr. John Campion, *Skale Lane*
Mr. Joseph Chapman
Mr. William Cooper
Mr. John Clark
Mr. Thomas Clark
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Mr. R. Hunter, *London*
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Mr. Rob. Kirby, *Printer*
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Miss Pressick
Mrs. J. Richardson
Mrs. Rudyerd
Mr. Chr. Swales
Francis Wardale, Esq.
Mr. John Watson
Mr. Thos. Yeoman

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Mr. William Bean, *Scarborough.*

G. Cumberland, Esq. M. G. S. *Bristol.*

W. H. Dikes, Esq. F. L. S. *Hull.*

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Dr. George Goldie, *York.*

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Rev. R. H. Whitelock, *Manchester.*

Mr. James Wilcox, *Hutton Bushell.*

Mr. J. Williamson, *Scarborough.*

Mr. William Wilson, *Scarborough.*

Rev. Archdeacon Wrangham, A.M. F.R.S. F.C.P.S. &c., *Hunmanby.*

DONATIONS

Presented to the Museum since the Publication of the

FOURTH REPORT.

Miss Ascough, *London.*—Burmese Towel, and Chinese Lady's Head Dress, and Petticoat; the latter richly embroidered.

Mr. Bean, *Scarborough.*—Valuable Collection of Fossils; consisting of 18 specimens of Vegetable Impressions on Sandstone, from the Gristhorpe Shore; 18 Specimens of Bivalve Shells, several of them rare, from the Strata near Scarborough; 4 rare Ammonites; 3 rare Belemnites; 3 rare Echinites, and one rare and curious Spinite; a fine specimen of Cancer, from the Speeton Shale; 2 Flustra, from Sunderland; and some other Fossils; in all, above 60 specimens.

Mr. Charles Belcher.—Fine specimen of Madrepore, from the alluvium.

Mr. H. W. Benson.—Portuguese Copper Coin.

Messrs. Bird, Parkin, Ripley, and Young.—Large Collection of Fossil Shells, many of them rare, from the Glazedale Dogger.

Rev. J. Brewster, *Egglescliffe.*—Silver Coin of Queen Elizabeth, and 6 Copper Tokens.

Thomas Brodrick, Jun. Esq.—Sand, consisting of minute fragments of Shells, from Ascension Island.

Captain Bromley, *London.*—Piece of Mummy Wrapper, from Alexandria.

Miss Brown, *Canwick, Lincoln.*—Six Copper Coins.

Ingram Chapman, Esq. *London.*—Fine Specimen of Platypus, or Ornithorhynchus, from New South Wales.

Captain William Cockburn.—Rare Marine Insect, from the Banks of Newfoundland.

Mr. Thomas Cole, *Stokesley.*—Handsome stuffed Fox.

Mr. Christopher Crawford, *London.*—Large assortment of Wooden Spears, Halberts, Paddles, &c., from the Japan Islands; Dress of a Female of Cape Coast, &c.

Mr. William Collier.—Head of a small figure from Whitby Abbey; Pair of Ancient Gloves.

Mr John Dale.—A Flying Fish.

Captain Constable Dunning.—Skin of a large Snake, Jaws and Backbone of a Shark, and wings of a Flying Fish.

Lieutenant C. Featherstone, R. N.—Elephant's Tail from Africa.

Mr. John Fewster.—Two handsome Bows, from the Bahama Islands.

Mr. John Frankland.—Curious specimen of Fossil Wood, polished.

Mr. John Frankland, *Flowergate.*—A Badger, per Mr. Mewburn.

Mr. Thomas Gallilee.—Polished section of a fine piece of Stalactite, from an old Coal Mine.

Mr. Taylor Gibson, *Newcastle.*—Two fine specimens of the Hercules Beetle.

Mr. John Glaives, *Whixley.*—Collection of Fossils, from Kirkby Moorside, &c.

Mrs. Harding, *Pickering.*—Large Ammonite.

Mr. Hayden, *London.*—Preserved Serpents, from Berbice.

Captain J. Hill, *Thorn.*—Silver Scroll, with an Inscription, from a Burmese Tomb.

Mr. Wm. Hill.—Pipe Fish.

Miss Holt.—Esquimaux Pocket Book, with its Furniture.

Mr. John Hugill.—Piece of recent Madrepore.

Mr. Major Hugill.—An old English Silver Coin.

Robert Hunter, Esq.—Handsome Silver Ring, taken from the finger of one of the brave Greeks who fell at Missolongi, bearing this Inscription, engraved on a Carnelian, *‡* ΔΙΜΟΝΙΚΟ. 1787.

Mr. Jamieson, *Mariner.*—Model of a Canoe, from Hudson's Bay, piece of Moss from Buonaparte's Grave at St. Helena, and a pair of Albatross Feet.

Mr. L. Kiersta.—Rose Noble of Edward III; large Silver Medal of the Emperor Leopold I, in fine preservation: ten other Foreign Coins and Medals; and a Collection of Norwegian Rock specimens and Minerals.

Mr. John Lowrie.—Twelve Roman Copper Coins, and a Silver Coin of Queen Elizabeth.

Mr. John Mewburn.—Fine Pair of American Snow Shoes, Bow and Arrows from Van Dieman's Land, Teal Drake; two ancient Silver Coins, &c.

Captain Constantine Moorsom, R. N.—Handsome Silver Ornament, worn by a Madagascar Chief.

Captain Thomas Muir.—Four ancient Egyptian Coins, a Fragment from the Royal Palace at Alexandria, some Foreign Shells, &c.

Mr. Matthew Peacock.—A stuffed Hedge-hog.

Captain Power.—Fine specimen of the Hercules Beetle.

Mr. Joshua Priestman, *Thornton.*—Two large Ammonites.

Mr. S. F. Ramsey, *Beverley.*—Preserved Lizard, fine polished Fragment of large Ammonite, piece of Glass resembling Opal.

Mr. Richard Ripley.—Several rare Ammonites, some rare shells from the Blue Limestone, large Collection of Fossil Shells from the Glazedale Dogger; Obsidian and Conglo-

merate from Ascension Island, some Kirkdale relics, Mass of fine Univalve Shells, &c.

Mr. Francis Kildill ROBINSON. — Elegant and correct Model of the Ruins of Whitby Abbey.

Rev. James RUTHERFORD. — Five small plated Foreign Coins.

Mr. John SCHOFIELD, *Bagdale.* — Stuffed Seal's Foot.

Mr. Wm. SCORESBY. — Two Models, illustrating some of his proposed Improvements of Whitby Harbour.

Miss Margaret SMITH. — Seven ancient Egyptian and Roman Coins, and an Esquimaux Belt.

J. M. SOWERBY, Esq. — Large Silver Coin of Charles I, and four Roman Copper Coins.

Captain STORR. — Seven ancient Greek and Roman Coins, per Mr. Mewburn.

Mr. SWIFT. — Small British Silver Coin

Rev. H. TAYLOR, *Catcliffe.* — Specimens of Ironstone with Shells, and Vegetable Impressions, from Milton Iron Works.

Mr. Geo. TRUEMAN. — Three ancient Silver Coins, and a fine mass of pyritous Shells.

Mr. Wm. TRUEMAN. —Two rare Books.

Mr. Wm. TURNER, *from India.*—Large and handsome Cast Metal Image of Gaudma, a Burmese Idol, from a Temple at Arracan ; three Burmese Rupees, and an Indian Rupee.

Mr. James WATT. — Silver Tea-spoon, found in the ruins of old Runswick.

Mr. Geo. WATSON. — Handsome Fossil Fish, from the County of Durham ; some Fossil Shells, from Richmond, and 22 Copper Tokens.

Mr. James WILCOX, *Hutton Bushell.* — Twelve British Birds; stuffed King's Fisher, in a Glass Case ; 4 Fossils from the Oolite ; Stag's Horn from Seamer Carrs, and Boar's Jaw with a singular Tusk.

Mr. J. WILLIAMSON, *Scarborough.* — Ten fine specimens of Vegetable Impressions in Sandstone, from the Gristhorpe shore.

Col. James WILSON, M. P.— Fine specimens of Antigua Madrepore, Skin of a large Serpent, Saw of a small Saw Fish, and some Foreign Shells. *Deposited.*

Rev. George YOUNG, A.M.—Rare Fossil Cancer, from the Alum Shale; some fine Minerals, from Dumbarton; a quantity of Kirkdale Relics, Skull of an Ox, &c.

(*From the Office of R. Kirby, Bridge-Street.*)

BRIT. MUS
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 29
NAT. HIST.

6

SIXTH REPORT

OF THE

Whitby Literary and Philosophical SOCIETY,

Presented at the Annual Meeting, October 31, 1828:

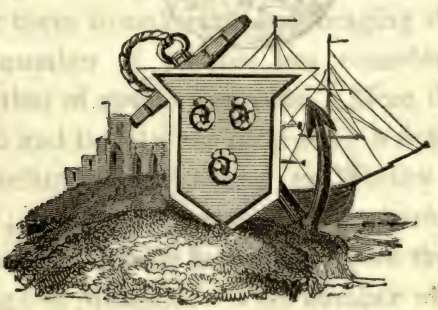
WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE

OFFICERS AND MEMBERS,

AND OF DONATIONS PRESENTED TO THE MUSEUM.



WHITBY:

PRINTED BY R. HORNE, BOOKSELLER,

BRIDGE STREET.

1828.

BRITISH MUSEUM
NATURAL HISTORY

SIXTH REPORT.

The Council of the Whitby Literary and Philosophical Society have much pleasure in reporting its increasing prosperity. The attention which the Museum has received from strangers during the last year; the valuable additions made to its contents; the successful efforts made to render it more elegant and commodious; the accession of members; and the public meetings which have been held for promoting the designs of the Institution, warrant them to make this encouraging statement.

The number of Visitors has considerably exceeded that of any former year. More than seven hundred and twenty are recorded; a few of whom are benefactors, belonging to Whitby and the vicinity; and the rest strangers from various parts, several of whom came hither chiefly for the purpose of seeing our Museum. This number would have been much greater, had access not been prevented for several weeks, by the alterations made on the roof. This proves that it has become an object of general interest; and indicates a growing taste for such rational entertainment as such a collection of curiosities affords, even to common observers;

while it reminds us of the progress of science, which is not now inaccessible to the lowest classes, nor despised by the highest; and leads us also to anticipate a time as not remote, when wealth will not shelter its possessors from contempt, when not accompanied with a becoming portion of literary and scientific information; and when the diffusion of knowledge will supply the gay with useful amusement, and free the serious from prejudice and party spirit.

The expenditure occasioned by the improvements which it was judged proper to be made on the roof and lights of the Museum, has rendered it impossible to add much to its stores by purchase. The donations, which have been liberal, make that the less to be regretted, as will appear from noticing a few of them.

The Rev. Geo. Young has made the following valuable donation: six Quadrupeds, and four pairs of horns; eighteen Fishes; eight Birds; four specimens of the Paper Nautilus, with many other shells; a black Snake; two tusks of a Hippopotamus, and an Elephant's grinder; two Caffre aprons; a bottle of Insects; some fruits and flowers; with other curiosities;—all from South Africa, collected by Mr. Alex. Stirling Bell.

From Sir R. Moorsom, K.C.B. have been received;—a model of the foremast of the Revenge, as it appeared after the battle of Trafalgar, made

of the wood of the mast; a beautiful Crease, or knife, formerly belonging to the King of Acheen; and the saw of a Saw-Fish.

Captain Constantine Moorsom, R.N., has presented a Fowling-Piece, which belonged to Radama, King of Madagascar, handsomely mounted with silver; some specimens of Madagascar cloth; 28 specimens of African wood; and five African spears and arrows.

Our collection of Shells has been enriched by 30 British species, in fine preservation, given by Arthur Strickland, Esq.

The three gentlemen last named, have been elected Honorary Members.

To Mr. John Coulson we are indebted for a large Fossil shell, and a very fine specimen of opalized wood, from Van Dieman's Land.

Mr. Dadd, by Mr. Ripley, has sent more than 60 Fossils from the Chalk strata of Kent, several of them very rare.

Mr. W. Jameson, Mariner, by Mr. Mewburn, has favoured us with a box of Insects.

Mr. C. Crawford, of London, has presented nine silver coins, and a wooden cup, given by his Majesty on Maundy Thursday.

Capt. John Smith, of the Diadem, has given a handsome donation of African bracelets, spears, charms, and other curiosities, from the island of Fernando Po.

Thos. Chapman, Esq., has presented a pair of Stag's horns, dug out of a peat-moss near Elsinore.

Mr. Thomas Parkin, Jun., has contributed a handsome bow, and a large fan, from Candy in Ceylon.

Among these curiosities may be mentioned some produced at home, by John Winspear, a young man of Whitby, who has given several articles of iron-work in miniature; viz, a smith's anvil, with a horse shoe, several hammers, pincers, a very small two-bladed knife, some pairs of scissors, so minute that 18 of them would weigh only a grain, and a set of half a dozen knives and forks, extremely small and handsome.

While, thus, the interesting contents of the Museum are increasing so rapidly; while the most distant lands and seas are contributing to its treasures; while it is daily becoming richer in monuments of ancient industry, and of modern ingenuity; it is reasonable to expect a proportionate increase in the number of subscribers, and of activity and zeal in the present members. Accordingly this year has brought some new members, among whom is the Hon. Wm. Duncombe, M.P., a Life Governor.—We are also thus encouraged to hope, that something more may soon be done, in providing greater convenience for arranging and exhibiting specimens by glass cases, on such parts of the walls as are not yet occupied.

The number of general Meetings which have been held, and respectably attended, this year, for the purpose of reading Essays, proves that this important part of the design of the Institution has not been neglected. On these occasions we have been favoured with several interesting papers from Mr. Robinson, of London; one on the 'Whitby Spaw,' and one 'on the cultivation of the Moors around Whitby;' and one, read by himself, 'on Inland Navigation.' Mr. Scoresby produced an Essay 'on National Improvements, and a new mode of constructing roads for carriages, throughout this Island:' and Mr. Mewburn read one 'on the utility of Mechanics' Institutions. At one of these meetings, Mr. Ripley communicated some interesting information respecting Samuel Jones, the Poet of Whitby. At another, Mr. Young exhibited a very ancient Pedigree belonging to Sir William Strickland, Bart., and an original scroll of Parchment, containing an account of the expenses of Whitby Abbey, for the year 1394.

It is satisfactory to find, that this Institution is so steadily advancing to such a state of maturity, as must remove the objections of those who might be disposed to despise its former appearance; and convince the most obtuse intellect, of the justice of its claims to more general attention, and more liberal support. Its friends may confidently recommend it to the notice of others. To be able, at

such a trifling expense, to make themselves acquainted, by occasional examination, or by continued study, with such a great variety of the productions of nature, of the monuments of antiquity, and of articles which display the manners and customs of distant nations, objects otherwise accessible to only a very small number, is an advantage that cannot be undervalued, by any who really desire to possess enlarged and enlightened views of the works of God, or feel a lively interest in the history and welfare of man.

LAWS AND REGULATIONS
OF THE
WHITBY LITERARY & PHILOSOPHICAL SOCIETY.

1. The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a MUSEUM, and for promoting the interests of SCIENCE by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea Annual*, shall be MEMBERS of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea Annual*, or of *Ten Guineas* at one time without any Annual Subscription, shall be GOVERNORS of the Society.

3. The Business of the Society shall be conducted by a PATRON, a PRESIDENT, two VICE-PRESIDENTS, a TREASURER, two SECRETARIES, and a CURATOR; who, with a COMMITTEE of eight Members, shall form the COUNCIL of the Society.

4. The Council shall meet for transacting business on the first Thursday of every Month, or as often as they shall find necessary; and three Members shall form a Quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October, in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur.—Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens in Natural History; with other miscellaneous Curiosities, whether of Nature or Art; to which may be added, Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the Week, and under such regulations, as the Council shall appoint. The families of Members, *residing under their roof*, shall have the privilege of visiting the Museum. No other Inhabitants of Whitby shall be admitted; except Benefactors, and Honorary Members. Strangers who have their residence above Ten Miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curator, or the Secretaries, may admit Members or Strangers to the Museum, on those days when it is usually shut.

9. After the Society has existed one year, all new Members

shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting may appoint; but the Council may at any of its Meetings admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. Officers of the Army or Navy, stationed in Whitby upon duty, shall have the privilege of Honorary Members, for the term of their official residence; and the same privilege shall be enjoyed by the regular Methodist Preachers, during the period of their ministry at Whitby.

12. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives; and all Members who have sold property to the Society, at a reduced price, shall have the option of repurchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall at his death descend to his representative; but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due on it must be paid up; and the representative or assignee of a Life Governor shall not be exempted from the Annual Subscription of Half a Guinea, without paying the sum of Five Guineas, in lieu of such Subscription.

14. The Annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each Year. If any Member neglect to pay his Subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all

arrears due on his share shall be paid up; and if any Member neglect paying his Subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all his right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect for bringing him to order: but such expulsion shall not take place, without giving a month's notice at least to the offending Member, and without the concurrence of three fourths of the Members present at the Public Meeting of the Society held for that purpose.

17. Each Member, upon his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a Member of it.

18. These Laws may be amended or enlarged at any General or Special Meeting of the Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

Regulations for Admission to the Museum, adopted by the Council, and confirmed by the General Meeting.

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1. The Museum shall be open from half past Ten to half past Twelve, on Tuesday and Thursday in every week.

2. Any Member may introduce personally, or by a written order, a Friend or Stranger residing above ten miles from Whitby; but no person residing in Whitby or its immediate vicinity, not belonging to the household of a Member, shall be admitted; except Benefactors, who may be introduced by a Member of the Council.

3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by the personal introduction of one of the Council, or by an order from the Curator, or from one of the Secretaries.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a Book to be kept for that purpose in the Museum.

5. No person introduced into the Museum, shall be permitted to handle the specimens.

6. No person shall be allowed to take a Stick or Umbrella into the Museum, or any thing likely to occasion damage.

OFFICERS FOR 1829.

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THE RIGHT HON. LORD VISCOUNT NORMANBY.

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RICHARD MOORSOM, JUN., ESQ.

Vice-Presidents.

HENRY BELCHER, ESQ. | T. FISHBURN, ESQ.

Treasurer.

JOHN HOLT, ESQ.

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Mr. J. MEWBURN,
Mr. W. NICHOLSON,
Mr. T. PARKIN, JUN.,
Mr. F. WATKINS,
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Rt. Hon. EARL OF CARLISLE,
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H. W. YEOMAN, ESQ.
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Rev. GEO. YOUNG, A.M.

Curator.

Mr. JOHN BIRD.

Secretaries.

Mr. RICHARD RIPLEY, | Rev. GEO. YOUNG, A.M.

Subcurator.

Mr. WILLIAM CORBISHLEY.

MEMBERS OF THE SOCIETY.

Rt. Hon. EARL OF CARLISLE,
Lord Viscount NORMANBY, M.P.
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Thomas W. Wilson, Esq., *Barnsley.*
Rev. Archdeacon Wrangham, A.M. F.R.S. F.C.P.S. &c., *Hunmanby.*

DONATIONS

Presented to the Museum since the Publication of the

FIFTH REPORT.

Mr. William Adams.—Chinese Tinder Box.
Mr. James Adams.—Rare Lobster.
Miss Barnes.—Handsome Chinese Slipper, and a Fossil Shell.
Mr. Francis Barry.—Curious Fish.
Capt. John Beecroft.—Backbone and Jaws of a Shark, a Foreign Bird, specimen of Obsidian from Ascension Island, and large specimen of Coral.
Mr. Charles Belcher.—Polished Stalactite from Knaresborough.
Mr. Henry W. Benson.—Two Copies of his Ichnography of Whitby Abbey.
Mr. Oliver Bird, *Pickering*.—Beautiful Kingfisher.
Rev. John Blackburn, A.M., *Attercliffe*.—Three Pyritous Shells, from the Thames Tunnel.
Mr. John Bolton.—Fine Vegetable Impression in Sandstone.
Mr. Robert Breckon.—Beautiful Woodpecker.
Mr. John Brown, *Church Street*.—Pair of Spanish Spurs.
Mr. W. Brittain, *Aislaby*.—Rare Vegetable Impression.
Mr. Gideon Buck.—Specimen of Bismuth, and of Stream Tin.
Mr. Peter Cato.—Piece of Timber, curiously pierced by the Teredo.
Thomas Chapman, Esq.—Fine Pair of Stag's Horns, dug out of a Peat-Moss, near Elsinore.
Mr. George Chapman.—Brass Coin of the Emperor Gordian.
Mr. J. Chilton.—Several species of Corallines, &c.
Mr. Richard Connell.—Two Silver Coins from Tobago.
Mr. James Collier.—Demi-Frank of Napoleon.
Mr. W. Corbishley.—Fourteen old Coins, three specimens of recent Echinus, and some masses of Shells.
Mr. John Coulson.—Rare Fossil Bivalve Shell, and very fine specimen of Opalized Wood, from Hobart's Town, Van Dieman's Land.
Mr. C. Crawford, *London*.—Nine Silver Coins, and a Wooden Cup, given away by his Majesty on Maundy Thursday.
Mr. Robert Dadd, *Chatham*.—Above sixty specimens of Fossil Shells, &c., from the Chalk in Kent; several of them very rare. By Mr. Ripley.
Mr. George Dove, *Ripon*.—Thirty Copper Coins.

Mrs. Forster.—Fragments of a Knitting Needle, shivered to pieces by Lightning.

Mr. J. Frankland.—Stoxley Halfpenny, (1665.)

Mr. David Graham, *Grinkel Park.*—Preserved Toad, Frog, Bat, Wryneck, and Landrail.

Capt. Haden.—Two Hornet's Nests, &c.

*Mr. William Harrison, *Ruswarp.*—Club of Boongaree, a New Zealand Chief.

Mr. R. Hill.—Whale's Rib, from Davis Straits.

Hull Literary and Philosophical Society.—Copy of their Fourth Report.

Mr. W. Hutchinson.—Rock Specimens from New South Shetland.

Mr. William Jameson, *Mariner.*—Box of Foreign Insects. By Mr. Mewburn.

Mr. Johnson, *London.*—Rare Echinus, from Malton.

Capt. William Kearsley.—Some Rock specimens, and Shells, from Greenland.

Leeds Philosophical and Literary Society.—Copy of their Reports for 1826-7, and 1827-8, and of An Account of an Egyptian Mummy.

Capt. Lotherington.—Several Curiosities from the West Indies.

Mr. George Lynass.—Silver Coin of Philip and Mary.

Mr. Mabon, *Berwick.*—Silver Coin of James I.

Capt. William Marley.—Porcupine Fish, and two Wood Pears from New South Wales, and a Serpent from Samarang.

Mrs. Martin, *Cliff Lane.*—Cloth made of Grass from Columbia, two Prussian Plated Coins, and vertebra of a Whale.

Mrs. Miller.—Silver threepence of George III.

Francis Mewburn, Esq., *Darlington.*—Fine Fossil Fish, from the County of Durham. By Mr. J. Mewburn.

Mr. Mewburn.—Black Grouse, and Ptarmigan; fine specimen of chrystallized Bismuth, prepared by Mr. Henry Thornhill.

Sir Robert Moorsom, K.C.B.—Crease, or Malay Knife, presented to him by the King of Acheen; saw of a Saw-Fish; Model of the Foremast of the Revenge, after the battle of Trafalgar, made of the wood of the Mast.

Capt. Constantine Moorsom, R.N.—Elegant silver-mounted Fowling-Piece, presented to him by Radama, King of Madagascar; Five African Spears and Arrows; specimens of Madagascar Cloth, and twenty-eight specimens of African Wood.

Mr. Thomas Parkin, Jun.—Handsome Bow, and large Fan, from Candy, in Ceylon.

Mr. Matthew PEACOCK.—Couple of Grouse.
Mr. John PEARSON.—Hinder part of a Seal, with the 2 feet.
Miss PENNYMAN.—A Sea Swallow.
Mr. Robert PICKERING, *Malton.*—Ancient Carved Stone for containing holy water, dug up at Malton; some Fish-teeth, and other rare Fossils, from Malton.
Mr. John PORTEOUS, *Berwick.*—Frank Piece of Napoleon.
* Hon. Stephen Van RENSSELAER, *New York.*—Copy of a Survey of the Erie Canal District.
Mr. R. RIPLEY.—Roman Battle-Axe, from Halton Castle.
Mr. J. W. ROBINSON, *London.*—Handsome Copy of a rare Book—Miscellaneous Poems, by Samuel Jones, Gent.
* Mr. Andrew SANDERS.—Nautilus, beautifully carved.
Mr. SCORESBY.—Copy of his Essay on the Improvement of Whitby Harbour, with some Plans.
Rev. William SCORESBY, F.R.S., *Liverpool.*—Copy of Streonshall Abbey, with Gibson's M.S. Notes; the Fall of Carthage, and Pizarro: Copy of his Voyage to Greenland in 1822.
Mr. Richard SCOTT.—Some Rock Specimens from Balta Sound, Shetland Isles.
Arthur STRICKLAND, ESQ.—Thirty species of British Shells, handsomely prepared.
Capt. John SMITH.—Four Spears, a Wooden Sword and Staff; three Serpent's Skins; a Cap, with sundry pieces of Clothing; and a large assortment of Bracelets, Belts, Charms, &c.; all from the island of Fernando Po.
Miss SMITH.—Curious Aloe; Snake; and singular Fish.
Mrs. THOMPSON.—Irish Shilling of George III.
Mrs. TURTON.—Valuable Collection of Foreign Insects.
Mr. W. TRUEMAN.—Copy of Simpson's Hydrologia Chymica.
Mr. Henry S. WALKER, *Woodlands.*—Ball of Hair, from the Stomach of a Calf.
Mr. Francis WATKINS.—Malay Reticule; Head and Feet of the Albatross, from the Cape.
Mrs. WHITE.—Pyramid Club Ticket.
Thomas W. WILSON, ESQ., *Barnsley.*—Thirty Fossil Shells, and Mineral Specimens, from Barnsley, Market Raisin, Thames Tunnel, &c. By Mr. Ripley.
Mr. William WILSON, *Scarborough.*—Three Birds, and some Rock Specimens; from Spitzbergen, &c.
Mr. John WINSPEAR.—Several specimens of Iron-Work in miniature, of his own workmanship; consisting of two pairs of Scissors, half a dozen Knives and Forks, a Clasp Knife with two blades, two Anvils, three Hammers, a Horse Shoe, and a pair of Pincers; also a very large Swedish horse-shoe.

Mr. Knaggs YEOMAN.—Sixpence of Geo. I.

YORKSHIRE PHILOSOPHICAL SOCIETY.—Their Report for 1827.

Rev. George YOUNG, A.M.—Six Quadrupeds, four pairs of Horns; eighteen Fishes; eight Birds; four specimens of Paper Nautilus, with many other Shells, and some Echinites; a Black Snake; three Tortoise Shells, of different species; two Tusks of a Hippopotamus, and an Elephant's Grinder; two Caffre Aprons; a Bottle of Insects; some Fruits and Flowers, with other Curiosities; all from South Africa, collected by Mr. Alexander Stirling Bell.

Omitted in its proper place.

Mr. George CHAPMAN.—A very ancient Key.

N.B. The Donations marked * should have appeared in a former Report.

BRIT. MUS.
15 JUN 29
NAT. HIST.

R. Horne, Printer, Whitby.

BRIT. MUS
15 JUN 29
NAT. HIST.

BRITISH MUSEUM
NATURAL HISTORY

SEVENTH REPORT

OF THE

WHITBY LITERARY

AND

Philosophical Society,

Presented at the Annual Meeting, October 30, 1829:

WITH THE

Laws & Regulations of the Society,

A LIST OF THE

OFFICERS AND MEMBERS,

AND OF

Donations presented to the Museum.

WHITBY:
Printed by R. Rodgers, Old Market-Place.

1830.

BRITISH MUSEUM
NATURAL HISTORY

SEVENTH REPORT.

The Council of the Whitby Literary and Philosophical Society, in meeting the Members of the Institution for the seventh time, have to record, with deep regret, the decease of one of the most distinguished of their body—the late Mr. Bird, the Curator; whose talents as an artist, and scientific knowledge of Geology and Mineralogy, were of a very superior order, and to whose suggestions and liberality this Society is partly indebted for its formation. The Council, considering it their duty to pay the greatest honour in their power to his memory, have purchased an excellent likeness, painted by Dodd, which when framed, will be placed in the room, as a token of the high respect and veneration they entertain for his character.

While thus expressing their sorrow for departed genius, on the one hand, they, on the other, have much gratification in announcing, that the interest excited on behalf of the Museum, in all classes of travellers, belonging to the town and port of Whitby, continues to increase. Few sailors and maritime gentlemen return from

distant countries, without giving proofs of their zeal, in bringing or sending curiosities to enrich the collection. The islands of Japan, the continent of India, the shores of Africa, the mines of South America, and those rocky islands nearest the north pole, have furnished specimens, "rich and rare," of nature and art, to augment the wealth of our Institution. And, though only small in value compared with some others, the Council deem it right to record on the pages of their Report, the warm expressions of one long absent from his native soil, Mr. Philip Aldridge, who hearing, accidentally, in the streets of Calcutta, that a Museum was formed in Whitby, has hastened to add his mite—a small but beautiful box of shells, with other curiosities; regretting that he had, unfortunately, disposed of a much larger one a short time before.*

Captain Potter has again made a munificent present,—a fine Chinese painting of the household god Joss, a collection of insects from Japan, several beautiful pieces of coral, &c., &c.

Captain Smith has presented a variety of instruments of war, articles of dress, and a case of birds, from Fernando Po: Captain Terry, a handsome Turkish pipe, &c.: Captain Nailor, several antique coins, an ancient seal, and three

* Since the Annual Meeting, the Society have received another collection of curiosities from Mr. Aldridge, with an assortment of East Indian Seeds.

keys from the bed of the Thames, a stuffed shark, &c.: Mr. G. Jameson, mariner, a collection of Coins, &c.: Christopher Richardson, Esq., two fine specimens of silver ore, from the mines of South America: Mr. Richard Scott, some rock-specimens, shells, &c. from Shetland and Greenland: Mr. Crawford, of London, two pairs of elegant Chinese slippers, &c.: George Cumberland, Esq, Bristol, a large collection of Fossils and Rock-specimens, from the South West of England: the executors of the late J. Sanders, Esq., a fossil Elephant's Grinder, found near Robin Hood's Bay Town,—a very valuable specimen.

The Royal Society of Edinburgh have presented, by the hands of Thomas Allan, Esq., their Treasurer, a copy of their Transactions, in 8 volumes 4to, from vol. 4th to vol. 11th, inclusive; an instance of great liberality, and a proof of the high interest felt in the prosperity of our Institution.

Some valuable fossil remains consisting chiefly of bones of the Plesiosaurus, and a few books, particularly interesting to the Society, were purchased by the Council, at the sale of the effects of the late Mr. Bird.

From the very defective manner in which the Birds have been prepared, it has been found necessary to remove the greatest part from the Museum. At present, the Council recommend

that no further purchases of birds or animals be made, till we are enabled to procure glass-casings, by which only they can be preserved from decay.

In consequence of the debt incurred in making the necessary alterations in the roof of the Museum, a proposition has been submitted by your Secretaries and Curators to the Council, to charge each visitor with a small sum for admission to the room; which, if carried into effect, will, it is hoped, be a means of liquidating the amount. To forward this desirable object, and to promote the cause of science among the members, the Rev. George Young most handsomely offered to give a course of Lectures on Geology, Mineralogy, and Antiquities; which, from the researches and extensive knowledge of this gentleman, in those departments more particularly, could not fail of affording much instruction and amusement to all who heard them. The Council consider it proper to offer their best thanks to Mr. Young, for his gratuitous services in their behalf.

This course of Lectures has in a great measure superseded the reading of Essays during the present year, the only communication of the kind being a valuable Essay on Public Speaking, by Mr. Robinson, of London, to whom we are under so many obligations. In that Essay, some excellent hints were furnished on the manner in which periodical meetings of the Society might

be profitably conducted, and a number of topics for literary and scientific discussion were suggested. Of these hints and suggestions, the Members of this Institution would do well to avail themselves.

The amazing number of 660 Visitors, entered since last anniversary, attests the pleasing fact, that the Whitby Museum has lost nothing of its interest in the eyes of strangers, who view with delight those fine specimens of Organic Remains, which so particularly distinguish this Institution from all others. Your Council would respectfully urge, the propriety of purchasing chiefly any new fossil specimens which may be found on the immediate coast and neighbourhood, as they consider those the most valuable and interesting parts of the collection.

From the extent of our collection in the various departments of science, still rapidly increasing, the Society, at a Meeting held in February, deemed it necessary to appoint two Curators in the room of the late Mr. Bird; and Mr. T, Parkin, and Mr. J. Mewburn, were unanimously appointed to fill this very important office.

Upon the general advantages and benefits of the Museum, it will be almost unnecessary for your Council to dilate; they must be obvious to every thinking mind.—The Philosopher, the Artist, and the Mechanic, will here find abundant means to gratify their taste and improve

their skill; the youth will be afforded ample opportunities of comparing the various curiosities of his own and foreign lands, with the descriptions in his books; and the old may relieve an otherwise tedious hour, in the contemplation of those objects which mark the rise, progress, and decay of nations. He may view with delight the wonderful difference which civilization and knowledge have made between the barbarian aborigines of our land, and its present possessors; he will here see rude knives and arrow-heads, of flint, found in our vicinity, such as are still in use among the savages of Fernando Po and the South Sea Islands, and he may contrast those with the convenient and elegant articles used among us at the present day; and then say, whether he would wish to stem the tide of knowledge, which is now pressing rapidly forward to perfection.

The Council hope, that the day is not far distant, when all those who have hitherto looked with indifference on this excellent Institution, which is an ornament to the town, and a credit to its supporters, will be induced to alter their opinion of its value, by cordially joining the Society, to promote the growth of literature and knowledge among the inhabitants of Whitby.

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3. The business of the Society shall be conducted by a PATRON, a PRESIDENT, two VICE-PRESIDENTS, a TREASURER, two SECRETARIES, and two CURATORS, who, with a COMMITTEE of eight Members, shall form the COUNCIL of the Society.

4. The Council shall meet for transacting business on the first Thursday of every Month, or as often as they shall find necessary; and three Members shall form a Quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October, in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur.—Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens in Natural History; with other miscellaneous Curiosities, whether of Nature or Art; to which may be added, Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the Week, and under such regulations, as the Council shall appoint. The families of Members, *residing under their roof*, shall have the privilege of visiting the Museum. No other Inhabitants of Whitby shall be gratuitously admitted; except Benefactors, and Honorary Members. Strangers who have their residence above Ten Miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curators, or the Secretaries, may admit Members or Strangers to the Museum, on those days when it is usually shut.

9. After the Society has existed one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting may appoint; but the Council may at any of its Meetings admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. Officers of the Army or Navy, stationed at Whitby upon duty, shall have the privilege of Honorary Members, for the term of their official residence; and the same privilege shall be enjoyed by the regular Methodist Preachers, during the period of their ministry at Whitby.

12. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives; and all Members who have sold property to the Society, at a reduced price, shall have the option of repurchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall at his death descend to his representative; but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due on it must be paid up; and the representative or assignee of a Life Governor shall not be exempted from the Annual Subscription of Half a Guinea, without paying the sum of Five Guineas in lieu of such Subscription.

14. The Annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglect to pay his Subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share shall be paid up; and if any Member neglect paying his Subscription for

two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect for bringing him to order: but such expulsion shall not take place, without giving a month's notice at least to the offending Member, and without the concurrence of three fourths of the Members present at the Public Meeting of the Society held for that purpose.

17. Each Member, upon his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a Member of it.

18. These Laws may be amended or enlarged at any General or Special Meeting of the Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

Regulations for admission to the Museum, adopted by the Council, and confirmed by the General Meeting.

1 The Museum shall be open from half past Ten to half past Twelve, on Tuesday and Thursday in every week.

2. Any Member or Subscriber may introduce personally, or by a written order, a Friend or Stranger residing above ten miles from Whitby. All Strangers not so introduced, and all non-subscribers residing in Whitby or within ten miles of it, not Honorary Members or Benefactors, and not belonging to the household of a Member or Subscriber, shall pay One Shilling each, for every admission. Children and Servants shall be admitted at half price.

3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by the personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book to be kept for that purpose in the Museum.

5. No person introduced into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a Stick or Umbrella into the Museum, or any thing likely to occasion damage.

OFFICERS FOR 1830.

Patron.

THE RIGHT HON. LORD VISCOUNT NORMANBY.

President.

RICHARD MOORSOM, JUN., ESQ.

Vice-Presidents.

HENRY BELCHER, ESQ. | T. FISHBURN, ESQ.

Treasurer.

ROBERT CAMPION, ESQ.

Committee.

Mr. J. ANDERSON, Jun.
Mr. C. BELCHER
Mr. GID. BUCK
Mr. R. HORNE
Mr. J. MELLANBY
Mr. J. RIPLEY
Mr. F. WATKINS
Mr. G. WATSON

Governors by Subscription.

Rt. Hon. EARL of CARLISLE,
Lord Viscount NORMANBY, M.P.
COL. G. CHOLMLEY
COL. J. WILSON, M.P.
H. W. YEOMAN, ESQ.
Rt. Hon. EARL of MULGRAVE,
Hon. W. DUNCOMBE, M.P.
Mr. H. WEATHERALD
Rev. G. YOUNG, A.M.

Secretaries.

Mr. RICHARD RIPLEY, | Rev. GEO. YOUNG, A.M.

Curators.

Mr. J. MEWBURN, | Mr. T. PARKIN, Jun.

Subcurator.

Mr. WILLIAM CORBISHLEY.

MEMBERS OF THE SOCIETY.

Rt. Hon. EARL OF CARLISLE, Rt. Hon. EARL OF MULGRAVE
Lord Viscount NORMANBY, M.P. Hon. W. DUNCOMBE, M.P.

Mr. John Anderson, Jun.
Henry Belcher, Esq.
Mr. Charles Belcher
John Benson, Esq.
Miss Boulby
Mr. R. Brewster
Mr. Gideon Buck
Robert Campion, Esq.
Mr. John Campion
Mr. Nathaniel Campion
Mr. George Chapman
Mr. Thomas Chilton
Col. Geo. Cholmley
Thomas Fishburn, Esq.
Mr. Thomas Fletcher
Mr. John Frankland
Mr. Thomas Galilee
John Holt, Esq.
Mr. Ralph Horne
Mr. John Hugill
Mr. Joseph Hunter
Dr. John G. Loy
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Mr. John Mewburn
Richard Moorsom, Esq.
Richard Moorsom, Jun., Esq.
Mr. William Nicholson
Mr. Thomas Parkin, Jun.
C. Richardson, Esq.
Mr. Richard Ripley
Mr. John Ripley
Mr. Richard Rodgers
Exec. of Jon. Sanders, Esq.
Mr. Joseph Sanders
Mr. Andrew Sanders
Mr. Scoresby
J. M. Sowerby, Esq.
Mr. George Trueman
Mr. Thomas Turnbull
Edmund Turton, Esq.
Mr. George Vasey
Mr. Francis Watkins
Mr. Thomas Watson
Mr. George Watson
Mr. Henry Weatherald
Mr. James Wilkinson
Col. J. Wilson, M.P.
Mr. John Wilson
H. W. Yeoman, Esq.
Mr. John Yeoman
Rev. G. Young, A.M.

ANNUAL SUBSCRIBERS.

Rev. Jas. Andrew
Mr. Geo. Anderson
Mr. Joseph Barker
Mr. W. Barker, *London*
Miss Barnes
Rev. W. Blackburn
Mr. J. Campion, *Skate Lane*
Mr. Joseph Chapman
Mr. John Clark
Mr. R. Hunter, *London*
W. Middleton, Esq.
Mr. R. Kirby, *Printer*
Mr. G. Peirson
Miss Pennyman
Miss Pressick
Mrs. J. Richardson
Mrs. Rudyerd
Francis Wardale, Esq.
Mrs. Watson, *Springhill*
Mr. Thomas Yeoman

HONORARY MEMBERS.

Henry Atcheson, Esq., F.C.P.S., *London.*
Mr. William Bean, *Scarborough.*
G. Cumberland, Esq. M.G.S., *Bristol.*
Mr. Robert Dadd, *Chatham.*
W. H. Dikes, Esq. F.L.S., *Hull.*
Mr. J. Gillot, *Scarborough.*
Mr. J. C. Glaives, *Whixley.*
Dr. George Goldie, *York.*
Mr. William Hutton, *Newcastle.*
Mr. Lars Kiersta, *Christiana.*
Vice Admiral Sir Robert Moorsom, K.C.B.
Captain Constantine Moorsom, R.N.
Mr. R. Pickering, *Malton.*
Mr. William Robertson, *Newcastle.*
Mr. J. W. Robinson, *London.*
Rev. James Rutherford, *Channelkirk.*
William Salmond, Esq., F.G.S., *York.*
Rev. W. Scoresby, F.R.S., M.W.S., &c. *Liverpool.*
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Anthony Thorpe, Esq., *York.*
Rev. William Turner, *Newcastle.*
Mr. William Turner, *Calcutta.*
Rev. W. V. Vernon, F.R.S., F.G.S., *York.*
Dr. Thomas Weatherill, *Liverpool.*
Rev. R. H. Whitelock, *Manchester.*
Mr. James Wilcox, *Hovingham.*
Mr. J. Williamson, *Scarborough.*
Mr. William Wilson, *Scarborough.*
Thomas W. Wilson, Esq., *Barnsley.*
Rev. Archdeacon Wrangham, A.M., F.R.S., F.C.P.S. &c., *Hunmanby.*

DONATIONS

PRESENTED TO THE MUSEUM SINCE THE PUBLICATION OF THE

SIXTH REPORT.

Mr. Wm. ADAMS.—Curious specimen of recent Madrepore, from the Dardanelles; mass of Serpulæ, and piece of Pumice Stone, from Patmos.

Captain Philip ALDRIDGE.—A Burmese Idol of Wood, two specimens of African Wood, with six seed vessels; a large collection of East India Shells; three Saws of the Saw-fish; 28 kinds of India Seeds; Burmese Lady's Work Basket, with Beads, Combs, and Trinkets; Indian Violin, Drum, (or Tom-tom), Kettle-drum, Looking-Glass, Hubblebubble, 3 Riding-whips, Knife to cut Beetle Nut, Confessional Stone made of the mud of the Ganges, pieces of Teak-wood curiously perforated; with 3 Birds, and several Fishes and Insects, from India.

Mr. George ANDERSON.—Curious Silver Brooch, found near Lofthouse.

Peter BARKER, Esq.—Pair of elegant Bengal Slippers.

Henry BELCHER, Esq.—Copy of King on Meteoric Stones, and some Fossil Shells.

Mr. J. BELL, *Stockton*.—Water Hen.

Mr. Joshua BOWER, *Aislaby*.—Bohemian Chatterer.

Mr. BROWN, *Mate of the Edward*—Several Indian Insects. Per Captain Aldridge.

Mr. Gideon BUCK.—Chinese Razor.

John CAMPION, Esq., *Skate Lane*.—Fine polished specimen of Landscape Marble, two specimens of Madrepore, and 9 Mineral Specimens, from Bristol, &c.

Mr. C. CRAWFORD, *London*.—Large specimen of crystallized Quartz, tipped with Pyrites; two pairs of elegant Chinese Slippers; pickled Dolphin and Tortoise.

Captain William CARR.—Fine specimen of Vegetable Impressions, from Jarrow.

G. CUMBERLAND, Esq., *Bristol*.—Valuable collection of Fossils and Rock Specimens, from the South and West parts of England.

Miss DAWSON, *Whitby Abbey*.—Spanish Silver Coin.

ROYAL SOCIETY OF EDINBURGH.—Copy of their Transactions, Vol. IV to Vol. XI, Pt. I, inclusive.

William FRYER, Esq.—*Lyth Hall*.—Collection of Antiquities from antient Graves at Arica in Peru.

Mr. D. GRAHAM, *Grinkle Park*.—Golden-crested Wren.

Mr. W. HANSON.—Vessel made of Cocoa nut, carved.

Mr. HARLAND.—Anthracite, from Aislaby Quarry.

Miss Martha HUNTER.—Fine specimen of White Taheite Cloth.

Captain W. JAMESON.—Eight East India Shells.

Mr. G. JAMESON, *Mariner.*—Collection of East India Coins, Cape Pigeon, and curious Bird's Nest.

Mr. J. JEFFERSON.—Foreign Silver Coin.

Mr. Jas. JOHNSON.—Dried Frog.

Mr. Robert KIRBY, *Flowergate.*—Ancient Ring, found at Handall Abbey.

Mr. J. W. LANE, *an Apprentice.*—Pair of Indian Slippers, Indian Whip, made of the tail of the Sting-Ray. Per Capt. Aldridge.

Mr. Thomas LEE, *Lynn.*—A Lynn Farthing.

Mr. J. LOWRIE.—Antique Stirrup from Kirkby Moorside.

Mr. J. MORRELL.—Curious branch of an Ash tree, and a rare Ammonite.

Captain Thomas MUIR.—Part of the Girdle of a Hindoo Idol, from the Caves of Elephanta. The Idol is 18 feet high.

Captain James NAILOR.—Ancient Seal Ring, 3 antique Keys, and 20 ancient Coins, taken from the bed of the Thames, in founding the new London Bridge; Stuffed Shark, and Head of a Shark.

Mr. Thomas PARKIN, Jun.—A Jay, two Scorpions, and a Centipede.

Captain Thomas POTTER.—Five specimens of Coral, from Sumatra; Pair of Slippers and Chinese Wedding Cap, from Java; 3 boxes of Insects, from Java; large painting of the Chinese god Joss, 2 large wax Candles, and a Chinese Umbrella, from China; Skull of Baboon, and head of Rhinoceros Bird, from Borneo; Bottle of variegated sand, from Alum-Bay, Isle of Wight.

Miss P.—*per Mr. Mewburn.*—Piece of the Cowthorpe Oak, 1000 years old.

Mr. John PROUD, *Fadmoor.*—Specimen of Lead Ore, from Skiplam.

Mr. W. PROUD, *Danby.*—Concretion of Hair from the Stomach of a Cow.

Christopher RICHARDSON, Esq.—Specimen of Silver Ore, with Quartz, from Toxolana mine, Mexico; of Iron, Copper, and native Silver, from Pasco mine, Peru; and of Rock crystal, from the United mines, Cornwall.

Mr. R. RIPLEY.—Specimen of Placuna Placenta.

Rev. J. RUTHERFORD, *Channelkirk.*—French Assignat of 1793.

Executors of the late Jonathan SANDERS, Esq.—Large Elephant's Grinder, from the Alluvium at Robin Hood's Bay.

Mr. Richard SCOTT.—Gourd Bottle, and Chief's Hat, from Fernando Po; 5 copper Coins; several Rock specimens from Shetland and Greenland; some Fossils and recent Shells.

Captain Alexander SCOTT, *London*—Three Silver Coins.

Captain John SMITH.—Two South Sea Arrows; Mandingo Bow, from Africa; Chief of Cameroon's Staff of Office; Elephant's Grinder, from Africa; three Hats from Fernando Po; large piece of Crystal; Flying Fish; three antique Coins; minute anchor, made in Portsmouth Dock Yard, from a bolt taken from the wreck of the Royal George; large Knife taken from a Greek Pirate.

Mr. John SMITH, *Cutler*.—Knife and pair of Scissors, in miniature work.

Captain William STEWARD.—Black Diamond Snake, from Port Stephen, New Holland.

Mrs. SOOTHILL, *Howsham*.—French Demi-Frank.

Captain William TERRY.—Specimen of Coral, from the Isle of France; Punka, or East Indian Fan, Hookah, or East Indian Pipe, from Calcutta; Bear's Head.

Mrs. THORNHILL.—Two Silver Coins.

Mr. William TURNER, *Calcutta*.—Elegant Burmese Bow, with 24 arrows, very handsome model of a Burmese War Canoe, a species of Fox, and an elegant Burmese Book.

Mr. William TURNER, *Whitby*.—Large Block of Fossil Wood.

Col. J. WILSON, M.P.—Handsome and complete set of the Napoleon Medals, in plaister of Paris.

Mr. R. WILSON.—Two small Silver Coins, and one of Brass; a Bear's Tusk.

Mr. J. WINSPEAR.—Tobacco Pouch from St. Petersburgh.

YORKSHIRE PHILOSOPHICAL SOCIETY.—Copy of their Report for 1828.

Rev. George YOUNG, A.M.—Twenty-two specimens of rare Minerals and Fossils, from Scotland, Norway, &c.

R. Rodgers, Printer, Whitby.

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRITISH MUSEUM
NATURAL HISTORY

EIGHTH REPORT

OF THE

WHITBY LITERARY

AND

PHILOSOPHICAL SOCIETY,

Presented at the Annual Meeting, October 29, 1830:

WITH THE

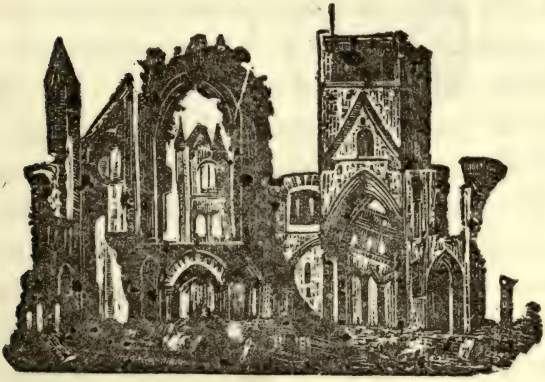
LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE

OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.



WHITBY,

PRINTED BY ROBERT KIRBY, BOOKSELLER, BRIDGE-STREET.

1831.

BRITISH MUSEUM
NATURAL HISTORY

EIGHTH REPORT.

The Whitby Literary and Philosophical Society has now existed for eight years, and its annual Reports cannot now be expected to present much that is novel or striking. A few things, however, deserve to be noticed in the history of the Society during the past year.

The financial difficulties of the Society, occasioned by the expensive improvements made in the Museum three years ago, were alluded to in the last Report. The attention of the Council for this year was early directed to the subject; and as several tradesmen's bills were found to be unpaid, part of them of long standing, it was necessary to take some steps for discharging them. At first the Council proposed, that twenty or more Members of the Society should agree to lend the Institution five pounds each, without interest, to be paid off from year to year as the finances improve. But as only a few were found willing to enter into this plan, the Council were compelled to abandon it, and to adopt the expedient of borrowing money at interest, to pay the bills which had been so long due.

Accordingly, in the end of May, the sum of £120 was borrowed, at 4½ per cent. interest; and with this sum, and the money arising from subscriptions and other sources, all the other debts of the Society have been discharged, except two or three bills of small amount, for which the arrears of subscriptions due last year, will be nearly an equivalent.

The plan for improving the funds, by charging a small sum for the admission of non-subscribers, was mentioned in the last Report. Early in the present year, it was submitted to the consideration of a General Meeting, after having lain on the table more than two months; and was adopted, with certain modifications. The new Regulation, as passed by the Public Meeting, is, to charge *one shilling* for each admission, whether of a stranger or a resident non-subscriber, and half that sum for a child or servant; with the understanding, that every Member or Subscriber may, as heretofore, give free admission to any stranger with whom he is acquainted or connected. This regulation commenced in the month of February, and in the course of the season the sum of Five Pounds has been collected for the admission of strangers and resident non-subscribers; and as the number of Visitors during

the year has exceeded 400, this sum would have been much greater, had not several Members, either through inadvertence or from a mistaken delicacy of feeling, given free admission to numbers of strangers with whom they had no manner of connection. It should be distinctly understood, that Members and Subscribers have a right to introduce only their own friends and acquaintance: all others ought to pay. For more than seven years, the Society acted on the liberal plan of taking nothing from strangers, and it might be very well to continue the same practice, could our circumstances allow it; but, in the present state of our finances, it is wrong for any Member or Subscriber to exempt persons unknown to them, from paying a small trifle for admission, which no respectable stranger can ever grudge. It is hoped that in another season this regulation will be strictly observed, and consequently become much more productive.

The Council, as might be expected under present circumstances, have carefully avoided making purchases. A Plesiosaurus, some rare Fossil Fishes, a few other Fossils, and a very few Minerals, comprise the whole amount purchased during the last twelve months. But, while the collections of the Society have gained

so little in this way, they have, as in former years, obtained large accessions by the gifts of generous Benefactors. Some of those Donations deserve to be here particularised; including a few that were announced in the last printed List, being received soon after the last Annual Meeting.

Early in this year, William Fryer, Esq., of Lyth Hall, now a Member of this Society, presented to the Museum some interesting Antiquities, taken from ancient graves at Arica in Peru; and has since given a large collection of beautiful recent Shells and Crustacea, in all 64 specimens, chiefly from Peru; together with a few Foreign Insects.

Soon after our last Anniversary, another Donation was received from Mr. William Turner, of Calcutta, an Honorary Member of the Society; consisting of, an elegant Burmese Bow, with 24 Arrows; a beautiful Model of a Burmese War Canoe; a species of Fox; and a fine Burmese Book.

About the same time, another handsome Donation was received from Capt. Philip Aldridge; comprising, a valuable collection of East India Curiosities, both of nature and art; and an assortment of East India Flower Seeds, of 28 different kinds. The latter were

distributed in spring, among Members and Friends of the Society, known as Horticulturists; and we have the satisfaction of knowing, that many of the seeds have germinated. With deep regret, the Council have to add, that this generous Donor is no more, the news of his death having arrived soon after the receipt of his last Donation.

This is, unfortunately, not the only instance, in which a Donation must be noticed as the last to be received from a generous Friend to the Institution. Soon after our last anniversary, Col. Wilson presented a handsome and complete set of the Napoleon Medals, in plaister of Paris. The death of this gentleman, whose liberality and public spirit are so well known, may justly be regarded as a serious loss to our Society, which from the first he has kindly patronized, which he was ever ready to assist on any emergency, and to which he contributed more, in a pecuniary way, than any other individual.

In the course of the summer, the Society received a valuable collection of Norwegian Minerals, consisting of 90 specimens, many of them rare and beautiful, from Mr. Lars Kiersta, of Christiana, formerly a resident Member of the Society, and now an Honorary Member.

It is pleasing to observe, that Gentlemen connected with this Society, do not forget its interests when they are removed to a distance. With regard to this Box of Minerals, it may be proper to remark, that it came to us burdened with some vexatious charges, occasioned by its detention for nine months, or upwards, at the King's Warehouses in London, although it was in every respect properly addressed. This is not the only instance in which the Society has suffered in a similar way. Perhaps, for the sake of other societies as well as our own, it may be necessary to take some further notice of the matter. It is to little purpose that our Government, for the encouragement of science, have taken off the duty once chargeable on Foreign specimens in Natural History, if, by such detentions, charges to an equal or greater amount may be imposed on Literary Institutions.

Captain Smalpage has presented some valuable East India Coins, with some other Curiosities from India.

Mr. J. W. Robinson, of London, who has laid the Society under so many obligations, has presented the first eight Numbers of the Philomathic Journal.

The Rev. J. Arundel, formerly of Whitby,

and now Secretary to the London Missionary Society, has forwarded to the Museum a valuable assortment of South Sea Curiosities, consisting of above twenty articles; besides about fifty specimens of Foreign Shells.

Several other Donations, received from various Friends, will be enumerated in the Annual List.

Owing to various causes, little has been done this year in the way of reading Essays. On the 8th of July, Mr. John Hugill read an excellent Essay, on the nature, properties, and uses of water; which he illustrated by a variety of interesting experiments. On the 22nd of the same month, the Rev. George Young, A. M., delivered an Essay on Antiquities, particularly those of Egypt. The principal part of this Essay had been communicated before, as a portion of Mr. Young's Course of Lectures; and the interest which it then excited, induced some Members of the Society to beg that it might be repeated.

No other meetings for hearing Essays, have been held during the year. But it is gratifying to add, that this defect has been more than compensated by a Course of Scientific Lectures, of some length, delivered by John Murray, Esq., F.S.A., &c. &c. After some negotiation with the Council, who made a

diligent and successful canvas for Subscribers, Mr. Murray commenced a Course of twelve Lectures on Chemical Science, in the middle of August; and when this Course was concluded, he delivered another of four Lectures, on Electricity and Galvanism, in the latter part of September. The Council are happy to state, that the services of this able and experienced Lecturer were duly appreciated by the Members of this Society, and by the friends of science in Whitby and the vicinity. His Lectures were attended by crowded audiences, and were received with much and well-deserved applause: and there is reason to believe, that they have served to awaken in our town a growing taste for scientific pursuits, which cannot fail to have the happiest effects on the interests of your Institution.

It is satisfactory to observe, that the receipts for the Lectures not only realized the sum promised to Mr. Murray, but, after clearing all expenses, left a balance of £4 to the Institution. This advantage, however, must be ascribed in a great measure to the liberality of the Proprietors of the Subscription Library, who kindly allowed the gratuitous use of their Rooms for both Courses. Mr. Murray has also presented to your

Society copies of some of his valuable scientific Publications; besides giving a similar Donation to the Subscription Library.

In the course of the year, the Society has been deprived of the services of one of the Curators, Mr. Thomas Parkin, Jun.; who, having removed to London, has resigned his office. The present Meeting must, therefore, appoint a Gentleman to succeed him. Our growing collections will of course require continued and increasing attention.

In recording the progress of our own Institution, it is pleasing to notice, also, the prosperity of others. The Literary and Philosophical Societies of York, Hull, Leeds, and Newcastle, with each of which we have correspondence, are still advancing in their useful career. The Council rejoice to add, that the kindred Institution, recently commenced at Scarborough, has made such rapid advances, that its collections already rival those which have existed for years. Much may be anticipated from the combined exertions of the various societies now labouring in the cause of science; and this Institution must endeavour, from year to year, to contribute its fair proportion towards the general fund of human knowledge.

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OFFICERS FOR 1831.

PATRON.

THE RIGHT HON. LORD VISCOUNT NORMANBY.

PRESIDENT.

RICHARD MOORSOM, JUN., ESQ.

VICE-PRESIDENTS.

HENRY BELCHER, ESQ. | T. FISHBURN, ESQ.

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Mr. R. HORNE
Mr. J. HUGILL
Mr. J. HUNTER
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Mr. C. BELCHER, | Mr. J. MEWBURN.

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Mr. WILLIAM CORBISHLEY.

MEMBERS OF THE SOCIETY.

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Mr. Charles Belcher
John Benson, Esq.
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Mr. Gideon Buck
Robert Campion, Esq.
Mr. John Campion
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Col. George Cholmley
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C. Richardson, Esq.
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Mr. John Ripley
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Mr. Joseph Sanders
Mr. Andrew Sanders
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Mr. Thomas Turnbull
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Mr. George Vasey
Mr. Francis Watkins
Mr. Thomas Watson
Mr. George Watson
Mr. James Wilkinson
Mr. Richard Willis
Misses Wilson
Mr. John Wilson
H. W. Yeoman, Esq.
Mr. John Yeoman
Rev. G. Young, A. M.

ANNUAL SUBSCRIBERS.

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Francis Wardale, Esq.
Mrs. Watson, *Springhill*
Mr. W. Wilkinson
Capt. C. Yeoman
Mr. Thomas Yeoman.

HONORARY MEMBERS.

T. Allan, Esq., F. R. S. *Lon. & Edin.*, F. A. S. E. &c. *Edin.*
Rev. John Arundel, *London*
Henry Atcheson, Esq., F. C. P. S., *London*
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Vice Admiral Sir Robert Moorsom, K. C. B.
Captain Constantine Moorsom, R. N.
John Murray, Esq., F. S. A., F. L. S., F. H. S., &c.
Mr. R. Pickering, *Malton*
John Phillips, Esq., F.G.S., &c., *York*
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Rev. William Turner, *Newcastle*
Mr. William Turner, *Calcutta*
Dr. Thomas Weatherill, *Liverpool*
Rev. R. H. Whitelock, *Manchester*
Mr. James Wilcox, *Hovingham*
Mr. J. Williamson, *Scarborough*
Mr. William Wilson, *Scarborough*
Thomas W. Wilson, Esq., *Barnsley*
Rev. Archdeacon Wrangham, A. M., F. R. S., F. C. P. S., &c., *Hunmanby.*

DONATIONS

PRESENTED TO THE MUSEUM SINCE THE PUBLICATION OF THE SEVENTH REPORT.

Dr. James Alderson, *Hull.*—Copy of his Introductory Lecture at the Hull Infirmary.

Rev. John Arundel, *London.*—Valuable assortment of South Sea curiosities, consisting of above twenty articles; with a curious specimen of Tubipore, some Echini, and a great many specimens of Cypræa, Conus, Fusus, and Oliva; all brought home from the South Seas, by George Bennet, Esq.

Robert Clark, Esq.—Shark's Jaws and Spine.

Mr. Edward Corner.—Septaria.

— Robert Cornforth.—Cobra di Capella, from Bombay.

— Christopher Crawford, *London*—Stuffed Shark.

Miss Dobson.—Block of ancient Oak, from York Minster, and a small Silver Coin.

Mr. Frank Day, *Filey.*—Pair of Squirrels.

William Fryer, Esq.—Large Nautilus, 5 Crabs, 3 Lobsters, 2 specimens of Echinus, and 54 specimens of Chiton, Patella, Mytilus, Trochus, &c., &c.; chiefly from Peru: Sphinx Atropos, from Bourdeaux, and a few more Insects.

Capt. Henry Harrison, *Hull.*—Cameleon, from Malaga.

Mr. Lars Kiersta, *Christiana.*—Ninety specimens of Norwegian Minerals and Fossils, many of them rare and valuable.

Leeds Philosophical and Literary Society.—Their Reports for 1828-9, and 1829-30.

John Murray, Esq., F. S. A., &c.—His Treatise on Atmospherical Electricity, Remarks on the Cultivation of the Silkworm, &c.

Mrs. T. Potter.—Model of a Chinese Lady's Leg and Foot, with a Shoe.

Robert Preston, Esq.—Limulus Polyphemus, or King-crab.

Mr. R. Ripley.—Curious Group of Composition Figures, said to have been found at St. Mary's Abbey, York; Semi-fossilized Under Jaw of the Walrus, from Davis Straits; piece of Basalt, containing a Nodule of Chalcedony, picked up on the beach at Robin Hood's Bay.

Christopher Richardson, Esq.—Valuable Collection of Insects, from New South Wales.

Mr. J. W. Robinson, *London*.—Philomathic Journal, Parts I. to VIII.

Mr. Andrew Sanders.—Rare Fossil Fish.

Scarborough Philosophical Society.—Their Report for 1829.

Capt. Smalpage—Five East India Coins, viz., Gold Mohur, Silver Rupee, Half Rupee, Quarter Rupee, and one Pice: Two Tigers' Tusks, and Two Tigers' Claws, from the East Indies.

Mrs. Swinton.—Necklace and Ivory Crucifix, from Egypt.

Capt. John Smith.—Pair of Sandals, a Spoon, a Cap, a curious Bird's Nest, a Skull of a Fish, and some Rock Specimens; all from Africa.

Mr. William Trueman.—Copy of Dr. French's Yorkshire Spaw, printed in 1654.

Mr. William Turner, *Calcutta*.—Model of a Chinese Lady's Leg and Foot, with a Shoe.

Francis Wardale, Esq.—Three Numbers of the Newcastle Courant, for 1716.

Yorkshire Philosophical Society.—Their Report for 1829.

Rev. George Young, A.M.—Good Specimen of Flexible Dolomite, fragments of British Urns found near Whitby, and a few Fossil Shells.

ADDENDA.

Messrs. John Anderson, Jun., Henry Belcher, Charles Belcher, Richard Brewster, Thomas Fishburn, Thomas Galilee, John Hugill, Robert Hunter, Joseph Hunter, John Mewburn, Richard Moorsom, Jun., Richard Ripley, Thomas Watson, John Yeoman, and George Young, paid the expense of fitting up the Napoleon Medals, presented by the late Col. Wilson.

Messrs. John Anderson, Jun., William Ash, Charles Belcher, Henry Walker Benson, J. R. Browne, Robert Campion, William Corbishley, Thomas Fishburn, Joseph Hunter, W. R. Hunter, Joseph Ketley, John Mewburn, Richard Moorsom, Jun., Christopher Richardson, Richard Ripley, John Ripley, George Trueman, Thomas Watson, and George Young, purchased for the Society a copy of Crouch's Introduction to Lamarck's Conchology, and two fine Celts, found near Malton.

R. KIRBY, PRINTER, WHITBY.

BRIT. MUS
15 JUN 29
NAT. HIST.

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NINTH REPORT

OF THE

WHITBY LITERARY

AND

PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING,

OCTOBER 28th, 1831:

WITH THE

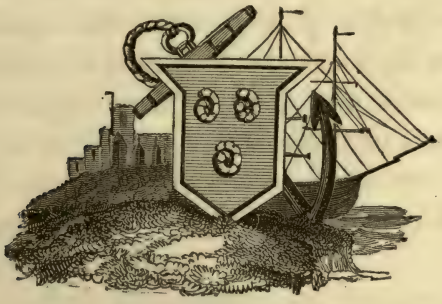
Laws and Regulations of the Society,

A LIST OF THE

OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.



WHITBY:

PRINTED BY R. HORNE, BRIDGE STREET.

1831.

BRITISH MUSEUM
NATURAL HISTORY

NINTH REPORT.

In presenting to the Whitby Literary and Philosophical Society the Ninth Annual Report, the Council have only to refer to the number and respectability of its Members and supporters, in proof of its prosperity and utility.

It will be remembered, that one of the principal objects which the Society had in view at its commencement, was the establishment of a Museum, for the preservation and display of the various beautiful, and valuable Fossil organic remains of a former world, for which this coast and neighbourhood are so much celebrated; affording at the same time, a safe depository for such other objects of curiosity, whether of nature or of art, as the Society might be able, from time to time to purchase, or its friends feel disposed to contribute or deposit, so as to render them more generally useful and instructive, than they could have been in private hands.

How far this object has been realized, the surrounding collection of valuable articles of curiosity from every quarter of the globe, and from almost every nation of the earth, and every age of the world, will sufficiently demonstrate; whilst the

fact, that during the last year, independent of the unrecorded visits of the members of the Society and their families, upwards of four hundred strangers have recorded their names in the Introduction Book, affords at once a gratifying proof of the interest which the collection has excited in the public mind, and of the necessity for, and utility of, such an institution.

It is also proper to remark in this place, that a small part only of this extensive collection has been brought into the Museum at the Society's expense, the rest having been kindly and liberally presented by the members and friends of the institution; among whom the Council would particularly remark the continued liberality of our maritime friends, who embrace as usual every opportunity of augmenting our stores. They wish more especially to record on the pages of their Report, the valuable donations lately received from Capt. Stephenson Ellerby, of the Ship "Lady Feversham;" consisting of a New Zealand Chief's Head, beautifully tattooed, and in good preservation; the Bones of the Head of a large Hippopotamus, from the Great Fish River in South Africa; one Spear, one Club, and three Patoos from New Zealand; Umbrella from Ceylon; three Albatrosses from the Pacific Ocean, twenty six small Birds, Paw of a Kangaroo from New South Wales, two Porcupine Fishes, Cobra di Capella, and two specimens of

the Indian Remora; one large and three small saws of the Saw Fish, and the Tooth of a Sperm Whale.

Mr. Lars Kiersta has presented fifty-one Silver Coins, ancient and modern, and one Gold Coin; also, thirty-two specimens of Minerals from Sweden and Norway.

Capt. Robert Potter has also again remembered the institution, and presented a specimen of Chinese Literature, in three vols., and some Pebbles from Van Diemen's Land.

The finances of the Society not allowing the Council to make purchases, has put to the test the reliance which may be placed upon the principle of gratuitous contribution. The list of Donations will therefore particularize nearly all the additions made to the Museum during the past year. One important exception requires to be noticed. The Society has just received from Professor Esmark, of Christiania in Norway, through the hands of our friend Mr. Lars Kiersta, a valuable collection of Norwegian Fossils and Minerals, amounting to thirty-eight specimens; for which a collection of the Fossils of this district is to be forwarded in return. This kind of barter cannot fail to be mutually advantageous.

It appears by the Treasurer's accounts, that, after paying the Rent and incidental expenses of of the institution, there remains in his hands the sum of £36 6*s.* 6*d.*, including a Donation of

TWENTY POUNDS, which your Secretaries have this morning received from your noble, learned and liberal Patron, the Earl of Mulgrave; and including also the sum of £7 2*s.* 6*d.* which has been received during the last year for admissions; and your Council in retiring from office, take the liberty of suggesting to their successors, the propriety and necessity of adhering firmly to the same system of economy, until the pecuniary engagements of the Society be discharged.

It is a matter of regret, that the reading of Essays has been much neglected during the past year; which your Council attribute chiefly to the circumstance, that local and constitutional affairs of unusual interest and occurrence have engaged much of the time and attention of several of the most active members of the Society. But the excitement occasioned by "*passing events*" having once subsided, the Philosopher will calmly resume his studies and investigations, for exploring and extending the boundaries of science, and again freely communicate the results of his researches, for the gratification and instruction of his associates. And your Council rest satisfied, that, within these walls, at least, as within a neutral territory, all asperities of party feeling, whether arising from political or other differences will die away, and be forgotten, and the same lively interchange of the courtesies of life be resumed and continued as heretofore.

Two Essays only have been read before the Society since the last annual meeting. The first, a highly interesting one, was on the subject of Literary Societies, by an honorary member, Mr. J. W. Robinson, of London, who has so often, so ably, and so successfully employed himself in promoting the objects of this institution. The second was on the curious subject of Phrenology, by the Rev. Joseph Ketley, giving a brief outline of its history and principles, which were described and elucidated in an able and interesting manner, affording no small gratification to a large and respectable audience.

At the close of the general meeting held on the 2nd of March, after the reading of Mr. Robinson's Essay, R. Campion, Esq. favoured the company by communicating Mr. Storey's report of the *view* of the line for the projected Railway along the vale of the Esk into Cleveland, to join the Stockton and Darlington line. The report presented so favourable a prospect of success, as to lead to a subscription being set on foot for the purpose of defraying the expense of making a proper survey, plan, section, and estimate. A branch line to the vale of Pickering, has since been projected; and although large sums of money would be required for the accomplishment of such extensive works, yet as the future prosperity of the town and neighbourhood of Whitby, depends so much upon them,

we may presume that they will be carried into effect, so soon as an Act of Parliament can be obtained for the purpose; and your Council embrace the opportunity which the mention of this subject offers to them, of stating their entire conviction, that the projected Railway presents to the Land Owner, the Merchant, the Farmer, and the Mechanic, the only likely means of throwing open, and turning to immediate and profitable account, those rich and inexhaustible mineral, and other treasures, in which the district is already known to abound; and opening new sources of employment and emolument, in lieu of those, which have been for so long a time, either languishing, or entirely lost.

At a general meeting held a few weeks ago, the Rev. George Young, A.M. explained to the Society an ingenious plan invented by an honorary member, John Murray, Esq. F.S.A. &c. &c. for effecting an instantaneous communication with a shipwrecked vessel, by means of an Arrow (bearing a line), shot from a Pistol, or Blunderbuss.

Mr. Murray's apparatus appears to possess some decided advantages over Capt. Manby's: it is much less expensive, much more portable, and consequently more readily conveyed to the scene of distress; and what must be esteemed of still greater importance, is the fact, that an Arrow propelled in the manner described by Mr. Murray,

is found to carry the line without breaking it; thus affording a greater probability of securing to the distressed mariner the wished for communication with the shore. The experiments made on the shore with the Arrows sent by Mr. Murray, were not so satisfactory as they would have been, had a proper Pistol been employed; but a subscription has been opened to defray the expense of procuring at least one complete set of the apparatus from Birmingham, as directed by that philanthropic gentleman, in order to do justice to his invention, and to carry it into practical effect, when occasion may require.

LAWS AND REGULATIONS

OF THE

WHITBY LITERARY & PHILOSOPHICAL SOCIETY.

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1. The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a MUSEUM, and for promoting the interests of SCIENCE by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea Annual*, shall be MEMBERS of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea Annual*, or of *Ten Guineas* at one time, without any Annual Subscription, shall be GOVERNORS of the Society.

3. The business of the Society shall be conducted by a PATRON, a PRESIDENT, two VICE-PRESIDENTS, a TREASURER, two SECRETARIES, and two CURATORS, who, with a COMMITTEE of eight Members, shall form the COUNCIL of the Society.

4. The Council shall meet for transacting business on the first Thursday of every Month, or as often as they shall find necessary; and three Members shall form a Quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October, in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur.—Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

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9. After the Society has existed one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting may appoint; but the Council may at any of its Meetings admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. Officers of the Army or Navy, stationed at Whitby upon duty, shall have the privilege of Honorary Members, for the term of their official residence; and the same privilege shall be enjoyed by the regular Methodist Preachers, during the period of their ministry at Whitby.

12. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share, and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives: and all Members who have sold property to the Society, at a reduced price, shall have the option of repurchasing it at the same price.

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14. The Annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglect to pay his Subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share shall be paid up; and if any Member neglect paying his Subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect for bringing him to order: but such expulsion shall not take place, without giving a month's notice at least to the offending Member, and without the concurrence of three fourths of the Members present at the Public Meeting of the Society held for that purpose.

17. Each Member, upon his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a Member of it.

18. These Laws may be amended or enlarged at any General or Special Meeting of the Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

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3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by the personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

☞ Strangers paying for admission, may be admitted on any day, except Sunday, on applying at the Baths.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book to be kept for that purpose in the Museum.

5. No person introduced into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a Stick or Umbrella into the Museum, or any thing likely to occasion damage.

OFFICERS FOR 1832.

PATRON.

THE RIGHT HON. EARL OF MULGRAVE.

PRESIDENT.

RICHARD MOORSOM, JUN., ESQ.

VICE-PRESIDENTS.

HENRY BELCHER, ESQ. | T. FISHBURN, ESQ.

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PRESENTED TO THE MUSEUM,

SINCE THE PUBLICATION OF THE EIGHTH REPORT.

Mr. W. Askwith.—A Prize Boot.

Mrs. Baxter.—Emew, from Sydney, New South Wales.

Mr. Joshua Bower, Aislaby.—Small Chinese Volume, brought home by the late Dr. Thompson.

Mr. John Cowle.—Singular Lias Nodule, shaped like a human leg and foot.

Capt. Stephenson Ellerby, of the Ship "Lady Feversham."—A New Zealand Chief's Head, beautifully tattooed, and in good preservation—Bones of the Head of a large Hippopotamus from the Great Fish River in South Africa—one Spear—one Club, and three Patoos from New Zealand—Umbrella from Ceylon—three Albatrosses from the Pacific Ocean—twenty-six small Birds, from India, and New South Wales—Paw of a Kangaroo from New South Wales—two Porcupine Fishes—Cobra di Capella, and two Specimens of the Indian Remora, from Malabar—one large, and three small Saws, of the Saw Fish—Tooth of a Sperm Whale.

Mr. Robert Hall.—Piece of Cere Cloth, found in a Stone Coffin, in Bridlington Church Yard, which had been buried 328 years.

Capt. Henry Harrison.—Specimen of Lava from Mount Vesuvius.

Mr. John Higgs.—Five Franc Piece of Louis Philippe; an Irish Farthing; and a Lowestoft Token.

Mr. Major Hugill.—An Antique Copper Key.

Mr. Lars Kiersta—51 Silver Coins, Antient and Modern—One Gold Coin—also, 32 specimens of Minerals, from Sweden and Norway.

Mr. James Leak.—Young Serpent from Charente.

Capt. Robert Potter.—A Specimen of Chinese Literature, in three volumes; and some Pebbles from Van Diemen's Land.

Mr. F. K. Robinson.—Specimen of Scoria, and some Ammonites, from the burning Cliff at Weymouth.

Mr. J. Wilcox, Hovingham.—Specimen of Slag, produced by the combustion of Bank of England Notes.

Yorkshire Philosophical Society.—Copy of an Account of St. Mary's Abbey, York; and the Annual Report of the Society, for 1830.

BRIT. MUS.
15 JUN 29

BRIT. MUS.
15 JUN 29
NAT. HIST.

10

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BRITISH MUSEUM
NATURAL HISTORY

TENTH REPORT

OF THE

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING,

October 26, 1832:

WITH THE

Laws and Regulations of the Society,

A LIST OF THE

OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.

Whitby:

PRINTED BY R. RODGERS, OLD MARKET-PLACE.

1832.

BRITISH MUSEUM
NATURAL HISTORY

TENTH REPORT.

THE Council of the Whitby Literary and Philosophical Society congratulate the Members and Friends of the Institution, on the arrival of its Tenth Anniversary, and the continuance of that prosperity which from year to year has marked its course. If its success during these ten years has not come up to the wishes of its founders, it has far exceeded their most sanguine expectations. Its progress, if not rapid, has continued steady. Every year, the treasures of nature and art, deposited in the Museum, obtain fresh accessions; and every year, something is done for the advancement of science.

It will be seen, by the List of Donations, that many instances of liberality towards the Institution, have occurred since last Anniversary.

WAKEFIELD SIMPSON, Esq., of Paramatta, has presented a valuable collection of Australian Birds, consisting of thirty-one specimens; several of which are rare, and of beautiful plumage. This gentleman has been unanimously chosen an Honorary Member of the Society.

Timothy A. Curtis, Esq., of London, has presented a fine specimen of charred wood, from a stratum under the basaltic pillars of the Giant's Causeway; and has also sent two Skulls of ancient Brazilian Indians, and an antique Brazilian vase, resembling the British and Roman urns, dug up in our own country. This gentleman will also be proposed to the present Meeting, as an Honorary Member.

Our esteemed friends, Cap. R. Potter, Cap. Stephenson Ellerby, and Mr. Christopher Crawford, have again laid the Society under obligations, by new acts of liberality. Cap. Wilson, of the Royal George, has sent to the Museum some interesting Zoological Specimens from New South Wales.

From the Royal Society of Edinburgh, we have received the continuation of their Transactions, viz. Vol. XI. Part 2nd; and Vol. XII., Part 1st. This continued generosity is the more worthy of acknowledgment, as we have nothing, of the same kind, to give in return.

The number of Visitors entered at the Museum this year, is smaller than usual, being only 378. Of these a considerable proportion have paid for admission, the sum received under this head amounting to £6 9s. It was to be expected, that the Visitors would be comparatively few, in the present state of the country; especially

as the Cholera, which has spread terror through the land, made its appearance in Whitby, at the very season when the greatest influx of strangers usually takes place.

In the early part of the year, the Society met with a serious loss, in being deprived of the services of Mr. MEWBURN, one of the Curators, who has emigrated with his family, to Upper Canada. Mr. MEWBURN was one of the founders of our Institution; and his zealous exertions on its behalf were so justly appreciated, that he was chosen a Member of the Council every year, till he was appointed to the office of Curator; which he held, with credit to himself, and advantage to the Society, for more than three years. In losing the personal services of this gentleman, it is some consolation to reflect, that he has carried with him into his adopted country, a warm attachment for an Institution which he did so much to promote, and that, when any opportunity of serving it may occur, he will not lose sight of its interests. As a token of gratitude and respect, he was appointed an Honorary Member, previous to his departure from Whitby.

While we express our regret for the removal of some friends, we have to notice with pleasure the accession of others. It is gratifying to observe, that as the shares of friends removed by death or

emigration seldom remain long undisposed of, new shares still continue to be purchased. In the course of the year, AARON CHAPMAN, Esq., has become a Life Governor, by a Subscription of Ten Guineas; and other new Subscribers are to be announced at the present Meeting.

The Council are sorry to state, that in this year, as in the last, very little has been done in the way of reading Essays. Only one instance of the kind falls to be recorded. On the 21st of June, Mr. MERRYWEATHER read an Essay on a method of producing a strong and uniform heat, for an indefinite period, by means of a Platina Lamp, invented by himself; and exhibited a powerful Lamp of this description, with fifteen burners, which might be kept burning at a uniform temperature for many weeks, or months, or even for years. The exhibition of this ingenious contrivance, which may lead to most important discoveries in chemical science, afforded no small gratification to a respectable company of ladies and gentlemen. We congratulate the Society, on the accession of Mr MERRYWEATHER to the number of literary and scientific characters belonging to Whitby; and we are happy to notice a similar accession, in the case of Mr. Robinson, late of London, who has recently taken up his abode amongst us; and who, having furnished us with so many valuable

Essays while at a distance, may be expected to render more efficient service, now that he is come to reside in the place.

The want of scientific Essays in the early part of the year, has been amply compensated, within the last few weeks, by a course of Philosophical Lectures, delivered by our learned and excellent friend, JOHN MURRAY, Esq. F. S. A. &c. The course consisted of eight Lectures, on magnetism, optics, galvanism, vegetable-physiology, and some departments of chemistry. Owing to the alarm excited by the distemper then prevailing, the audience was not quite so large as at Mr. Murray's former visit; but the Lectures and experiments were equally interesting, and were received with well merited applause. The proprietors of the Library displayed on this occasion the same liberality as before, in allowing the gratuitous use of their rooms. The receipts for the Lectures fell short of the expenses incurred; but the difference being made up by subscription, no loss is sustained by the funds of the Society. These funds are now so mnch improved, that we may indulge the hope of seeing the debt quite extinguished against another Anniversary.

Having noticed Mr. Murray's Lectures, it is proper to add, that, agreeably to the design announced in last Report, a complete set of the

Apparatus invented by that gentleman, for effecting an instantaneous communication with a shipwrecked vessel, was procured in the end of last year. Happily no case of shipwreck has since occurred here, to put the utility of this Apparatus to the test; but, from various trials that have been made, it appears well calculated to answer the humane purpose of its learned, ingenious, and philanthropic inventor.

It was observed in last year's Report, that political agitation had, in some degree, retarded our operations as a Philosophical Society; and the same observation will apply to the present year. Amidst the din and bustle of politics, the sober voice of learning and philosophy is but faintly heard. Yet we trust, that what seems at present a hinderance to our pursuits, may eventually accelerate our progress. Whatever excites the human mind to vigorous action, will ultimately promote the interests of sound reason, and useful knowledge; and those mental powers which are now exercised in discussing matters of commerce, or affairs of state, may hereafter be employed with greater energy in the cultivation of science. To whatever causes it may be assigned, we are glad to perceive among the people of Whitby a manifest increase of public spirit. Undertakings hitherto deemed impracticable, are now boldly proposed, and zealously

supported ; and much benefit to the public may be anticipated. We particularly allude to the noble enterprise of constructing a Railroad from Whitby to Pickering ; and the adoption of a plan for a new Bridge over the Esk at Whitby, to be constructed on a highly improved principle, according to a beautiful model, prepared by our ingenious townsman, Mr. F. PICKERNELL. Such undertakings, which are intimately connected with the interests of science, as well as with the general welfare of the town and neighbourhood, cannot fail to reflect honour on the age in which they originate.

LAWS AND REGULATIONS
OF THE
WHITBY LITERARY & PHILOSOPHICAL SOCIETY.

1. The Society shall be called THE WHITBY LITERARY and PHILOSOPHICAL SOCIETY, for supporting a MUSEUM, and for promoting the interests of SCIENCE by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea Annual*, shall be MEMBERS of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea Annual*, or of *Ten Guineas* at one time, without any Annual Subscription, shall be GOVERNORS of the Society.

3. The business of the Society shall be conducted by a PATRON, a PRESIDENT, two VICE-PRESIDENTS, a TREASURER, two SECRETARIES, and two CURATORS, who, with a COMMITTEE of eight Members, shall form the COUNCIL of the Society.

4. The Council shall meet for transacting business on the first Thursday of every Month, or as often as they shall find necessary; and three Members shall form a Quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October, in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur.—Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens in Natural History; with other miscellaneous Curiosities, whether of Nature or Art; to which may be added, Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the Week, and under such regulations, as the Council shall appoint. The families of Members, *residing under their roof*, shall have the privilege of visiting the Museum. No other Inhabitants of Whitby shall be gratuitously admitted; except Benefactors, and Honorary Members. Strangers who have their residence above Ten Miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curators, or the Secretaries may admit Mem-

bers or Strangers to the Museum, on those days when it is usually shut.

9. After the Society has existed one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting shall appoint; but the Council may at any of its Meetings admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. Officers of the Army or Navy, stationed at Whitby upon duty, shall have the privilege of Honorary Members, for the term of their official residence; and the same privilege shall be enjoyed by the regular Methodist Preachers, during the period of their ministry at Whitby.

12. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share, and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives: and all Members who have sold property to the Society, at a reduced price, shall have the option of repurchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall at his death descend to his representative; but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due on it must be paid up; and the representative or assignee of a Life Governor shall not be exempted from the Annual Subscription of Half-a-Guinea, without paying the sum of Five Guineas in lieu of such subscription.

14. The Annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each year. If any Mem-

ber neglect to pay his Subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share shall be paid up; and if any Member neglect paying his Subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect for bringing him to order: but such expulsion shall not take place, without giving a month's notice at least to the offending Member, and without the concurrence of three-fourths of the Members present at the Public Meeting of the Society held for that purpose.

17. Each Member, upon his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a Member of it.

18. These Laws may be amended or enlarged at any General or Special Meeting of the Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

Regulations for admission to the Museum, adopted by the Council, and confirmed by the General Meeting.

1. The Museum shall be open from half-past Ten to half-past Twelve, on Tuesday and Thursday in every week.

2. Any Member or Subscriber may introduce personally, or by a written order, a Friend or Stranger residing above ten miles from Whitby. All Strangers not so introduced, and all Non-Subscribers residing in Whitby or within ten miles of it, not Honorary Members or Benefactors, and not belonging to the Household of a Member or Subscriber, shall pay One Shilling each, for every admission. Children and Servants shall be admitted at half price.

3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

☞ Strangers paying for admission, may be admitted on any day, except Sunday, by applying at the Baths.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a Book to be kept for that purpose in the Museum.

5. No person introduced into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a Stick or Umbrella into the Museum, or any thing likely to occasion damage.

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DONATIONS

Presented to the Museum, since the Publication of the Ninth Report.

Mr. George Anderson.—Halfpenny of George I.

Henry Belcher, Esq.—Large Tooth of the Megalosaurus, from the Alum-Shale at Saltwick.

Charles Belcher, Esq.—Stalactitic Sulphate of Barytes, from Middleton; and Toadstone, from Cheedale; Derbyshire.

George Bennet, Esq., *London.*—Tetricus, in third Brass, found among many other Roman Coins, dug out of a Tumulus at Salem, in the central part of Peninsular India, in 1827; a Fanam, brought from Seringapatam; a Chinese Coin; and two Dutch Javanese Coins.

Mr. H. W. Benson.—Two Small Poems, and a Pamphlet.

Bristol Institution.—Copy of their Ninth Annual Report.

Misses Chapman, *Highbury Place.*—Flying Fish, in fine preservation.

Mr. M. R. Clarkson.—Very fine Celt.

Mr. Christopher Crawford, *London.*—Indian Chief's Hat; five Fishing Implements, from the N.W. Settlements of North America; Eggs of the Ostrich, and the Turtle; Foot of an Albatross; preserved Monkey; and some Beetles.

George Cumberland, Esq., *Bristol.*—Several small Ammonites, and other Fossils, from the S.W. parts of England.

Timothy A. Curtis, Esq. *London.*—Piece of Fossil Charred Wood, from a Stratum under the Basaltic Pillars of the Giant's Causeway, Aird's Snout; large Urn of baked Clay, dug up near Marianna, Brazil: and two Skulls of ancient Poorhie Indians, found in the Province of Minas Geraes, Brazil.

Miss Dixon.—Panther's Skin, and New Zealand Club.

Royal Society of Edinburgh.—Continuation of their Transactions, viz. Vol. XI. Part 2. Vol. XII. Part 1.

Capt. Stephenson Ellerby.—Two Flying Opossums, two Brush Ring-tailed Opossums, Frilled Lizard, Cooloo, and Ornithorhynchus Paradoxus: Handsome Model of a Palanquin and Bearers, from India; and an elegant Persian Matchlock.

Capt. Wm. Harland.—Armadillo Shell, Snake, and Centipede, from Demerara.

Mrs. Harrison.—Whitby Halfpenny, *John Rymer,* 1671.

Miss HARRISON.—Handsome Stiletto.

JOSEPH HUNTER, Esq.—Whitby Farthing, *John Hird*, 1667.

Master ZEBULUN MENNELL.—Small Silver Coin.

Capt. THOMAS MILLS.—*Cyclopterus liparis*, or Greenland Lump Fish.

Mr. JOHN MOFFIT, *Mulgrave*.—Preserved Hawk, Blackbird, and Water Ouzel.

Countess DOWAGER OF MULGRAVE.—Ten Specimens of Helix Sultana, &c., from N.S. Wales.

Rev. WM. PARKER.—Maltese Copper Coin.

Capt. R. J. POTTER.—Eight Specimens of Fossil Shells, two of Chert, and eight of Pyrites with charred Wood, from the Chalk Cliff, Alum Bay, Isle of Wight.

Miss PRYER.—Four small Silver Coins of William IV.

Mr. THOMAS SAWYER, *York*.—Some East India Coins.

SCARBOROUGH PHILOSOPHICAL SOCIETY.—Copy of their Third Report.

Mr. HUGH SCOTT.—Piece of Greenland Chalcedony, and two Fossil Terebratulæ.

WAKEFIELD SIMPSON, Esq. *Paramatta*.—Three Albatrosses, three Mountain Parrots, five Specimens of Meliphaga Belgonera, and twenty small Birds, several of them rare, and of beautiful plumage, from Australia.

Mr. JOHN TAYLERSON.—Petrified Leaves and Moss, from the Dropping Well at Knaresborough; Specimen of Amianthus; Bottle of Locusts and Centipedes; and a piece of Charred Wood from York Minster.

Mrs. TROWSDALE.—Ancient Silver Peter Penny.

Mr. J. WILCOX, *Hovingham*.—Skeleton of a Monkey.

Capt. WILSON, of the Ship *Royal George*.—Ornithorhynchus Paradoxus, male and female; Nankeen Bird, and Laughing Jack-Ass Bird, from N.S. Wales: and two Nests of the Tailor Bird.

Mr. R. WRIGHT, *Bilsdale*.—Large Fossil Cardium, found in the Alluvial Soil.

YORKSHIRE PHILOSOPHICAL SOCIETY.—Their Report for 1831, and first Report of the British Association for the Advancement of Science.

Printed by R. RODGERS, Whitby.

BRIT. MUS.
15 JUN 29
NAT. HIST.

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BRITISH MUSEUM
NATURAL HISTORY

ELEVENTH REPORT

OF THE

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING,

October 31*st*, 1833:

WITH THE

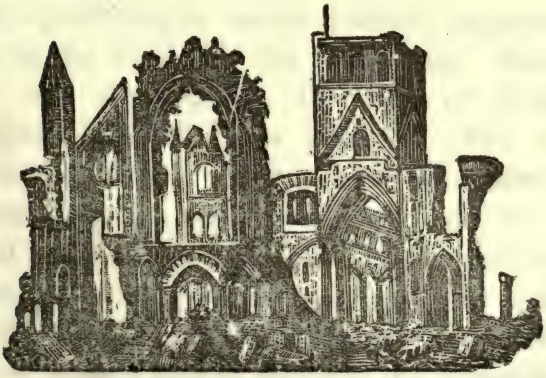
LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE

OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.



WHITBY:

PRINTED BY R. KIRBY, BRIDGE-STREET.

1833.

BRITISH MUSEUM
NATURAL HISTORY

ELEVENTH REPORT.

The Eleventh year of this Institution having passed away, the Council are happy to report, that on this occasion, as at former Anniversaries, there is room for congratulation. They cannot state that much has been done in the course of the year; yet, while the Society has displayed less energy than at some former periods, its power has not been exhausted, nor its progress checked.

It is gratifying to notice a steady improvement in the funds of the Institution. Soon after last Anniversary, the sum of £120, borrowed in 1830, was paid off; but, to accomplish this, it was necessary to contract a new debt of £40. This last sum, it is hoped, will be nearly made up, when the subscriptions for the ensuing year are collected. Freed from such incumbrances, the Society will be able to improve the Museum, by the addition of new glass cases, for want of which, a more correct arrangement of the Fossils, and other contents of the Museum, has long been deferred.

In this year, as in the former, few additions have been made to our collection by purchase; but many have been obtained by gift, as the List of Donations will shew; and a few, also, have been procured by the sale or exchange of duplicates. In this last way, we have obtained some valuable Fossils, two or three interesting Books, and an assortment of sixteen of the Saxon Stycas lately found at Hexham. Among the few articles purchased, may be noticed a rare Bird, the *Colymbus glacialis*, or Great Northern Diver, which was taken alive on this coast, and has been prepared for the Museum, by Mr. Chapman of York.

In the department of Ornithology, more important acquisitions require to be noticed.

From Thomas Brodrick, Esq., the Society has received a collection of nearly forty Birds, several of them rare and beautiful; besides fifteen other specimens in Natural History, including a Skeleton of the Narwhal, with the Horn attached.

The Rt. Hon. The Countess Dowager of Mulgrave has presented a fine specimen of the African Touraco (*Musophaga Persa*), the Mountain Parrot (*Trichoglossus hæmatopus*), and three other beautiful foreign Birds; and the Hon. Lady Sophia Phipps, a rich

specimen of the red Tanager (*Tanagra rubra*): — all in glass cases, and excellently preserved.

The Hon. Edmund Phipps has presented some specimens of Zeolite, and other Minerals, chiefly from the Giant's Causeway.

Mrs. Richard Scott has given to the Museum a considerable assortment of Rock Specimens, Minerals, and Fossils.

Mr. Lars Kiersta has again laid the Society under obligations, by presenting a Wooden Flagon from Norway, curiously carved; some specimens of Native Silver, and of Idocrase, and a large piece of Amber.

Mr. J. Bell, of Gateshead, Secretary to the Newcastle Society of Antiquaries, has presented a collection of Fossil Plants, from the coal pits at Gateshead.

The number of Visitors, as in last year, has fallen short of the average of former years; and it is matter of regret, that the same cause which prevented the usual visits of strangers last autumn, has occurred this season; the Cholera having prevailed with greater severity than before. The number of Visitors since last Anniversary has been 348; and the sum received from strangers £6 9s. 6d., being just sixpence more than the amount in the former year.

The Council regret to observe, that with regard to scientific Essays, this year has been as unproductive as the year preceding. The only article of this kind to record, is an Essay on the History of the Kingdom of Northumbria, as illustrated by the Saxon Stycas lately discovered at Hexham, read August 29th, by the Rev. G. Young, A. M. It was expected, that Essays on Railroads, and other scientific improvements of the age, would have been brought forward; but these are yet reserved for another year. In the mean time, it is pleasing to remark, that the grand undertakings, noticed in the close of last year's Report,—the new Bridge over the Esk, and the Railroad from Whitby to Pickering,—have now commenced, with promising appearances of success. These works, so important to the interests of commerce and public accommodation, will naturally tend to promote the objects of our Institution. Such practical illustrations of the triumphs of science, exhibited to our view, must needs give an impulse to scientific pursuits, and excite the youthful mind in particular, to the cultivation of philosophy and the useful arts. Let us hope that, while such a stimulus is presented, the energies of this Society will not lie dormant another year, in regard to

subjects so interesting, but that several Essays on topics of this description will shortly be announced. Let not the labour of preparing Scientific Papers fall upon two or three members only, but let many come forward to share in this honourable service. While our Museum is furnished with rich stores, calculated to facilitate the study of nature and of man, and our town and neighbourhood abound with objects well fitted to employ the studious mind,—there can be no lack of interesting materials; and let us hope, that there will be no want of talents and industry to turn them to the best account, for the improvement of the present age, and the benefit of posterity.

LAWS AND REGULATIONS

OF THE

Whitby Literary & Philosophical Society.

1. The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a MUSEUM, and for promoting the interests of SCIENCE by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea* annual, shall be MEMBERS of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea* annual, or of *Ten Guineas* at one time, without any annual Subscription, shall be GOVERNORS of the Society.

3. The business of the Society shall be conducted by a PATRON, a PRESIDENT, two VICE-PRESIDENTS, a TREASURER, two SECRETARIES, and two CURATORS, who, with a COMMITTEE of eight Members, shall form the COUNCIL of the Society.

4. The Council shall meet for transacting business on the first Thursday of every Month, or as often as they shall find necessary; and three Members shall form a Quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur.—Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens in Natural History; with other miscellaneous Curiosities, whether of Nature or Art; to which may be added, Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the week, and under such regulations, as the Council shall appoint. The families of Members, *residing under their roof*, shall have the privilege of visiting the Museum. No other Inhabitants of Whitby shall be gratuitously admitted; except Benefactors and Honorary Members. Strangers who have their residence above Ten Miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curators, or the Secretaries, may admit Members or Strangers to the Museum, on those days when it is usually shut.

9. After the Society has existed one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting shall appoint; but the Council may at any of its Meetings admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. Officers of the Army or Navy, stationed at Whitby upon duty, shall have the privilege of Honorary Members, for the term of their official residence; and the same privilege shall be enjoyed by the regular Methodist Preachers, during the period of their ministry at Whitby.

12. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share, and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives: and all Members who have sold property to the Society, at a reduced price, shall have the option of repurchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall at his death descend to his representative; but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due on it must be paid up; and the representative or assignee of a Life Governor shall not be exempted from the Annual Subscription of Half-a-Guinea, without paying the sum of Five Guineas in lieu of such subscription.

14. The Annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglect to pay his Subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Insti-

tution, until all arrears due on his share shall be paid up; and if any Member neglect paying his Subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect for bringing him to order: but such expulsion shall not take place, without giving a month's notice at least to the offending Member, and without the concurrence of three-fourths of the Members present at the Public Meeting of the Society held for that purpose.

17. Each Member, upon his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a Member of it.

18. These Laws may be amended or enlarged at any General or Special Meeting of the Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

Regulations for admission to the Museum, adopted by the Council, and confirmed by the General Meeting.

1. The Museum shall be open from half-past Ten to half-past Twelve on Tuesday and Thursday in every week.

2. Any Member or Subscriber may introduce personally, or by a written order, a Friend or Stranger residing above ten miles from Whitby. All Strangers not so introduced, and all Non-Subscribers residing in Whitby or within ten miles of it, not Honorary Members or Benefactors, and not belonging to the Household of a Member or Subscriber, shall pay One Shilling each, for every admission. Children and Servants shall be admitted at half price.

3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

*** Strangers paying for admission, may be admitted on any day, except Sunday, by applying at the Baths.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a Book to be kept for that purpose in the Museum.

5. No person introduced into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a Stick or Umbrella into the Museum, or any thing likely to occasion damage.

OFFICERS FOR 1834.

PATRON.

THE RIGHT HON. EARL OF MULGRAVE.

PRESIDENT.

RICHARD MOORSOM, ESQUIRE.

VICE-PRESIDENTS.

H. BELCHER, ESQ. | T. FISHBURN, ESQ.

TREASURER.

ROBERT CAMPION, ESQUIRE.

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— GIDEON BUCK,	— JOHN RIPLEY,
— GEORGE IMPEY,	T. RICHARDSON, Esq.
Rev. W. PARKER,	Mr. JOHN WILSON.

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A. CHAPMAN, ESQ., M. P.	Hon. W. DUNCOMBE, M. P.
Col. G. CHOLMLEY,	Mr. RICHARD WILLIS,
H. W. YEOMAN, ESQ.	Rev. G. YOUNG, A. M.

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Mr. RICHARD RIPLEY, | Rev. G. YOUNG, A. M.

CURATORS.

Mr. C. BELCHER, * | Mr. G. WATSON.

SUBCURATOR.

Mr. WILLIAM CORBISHLEY.

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Hon. W. Duncombe, M. P.

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Henry Belcher, Esq.
Mr. Charles Belcher,
John Benson, Esq.
Mr. R. Brewster,
— Gideon Buck,
Robert Campion, Esq.
Do. for the late Mr. N. C.
John Campion, Esq.
Aaron Chapman, Esq., M. P.
Mr. George Chapman,
Col. George Cholmley,
Thomas Fishburn, Esq.
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John Frankland, Esq.
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— John Havelock,
John Holt, Esq.
Mr. Ralph Horne,
— John Hugill,
Joseph Hunter, Esq.
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— George Impey,
Rev. Joseph Ketley,
Mr. Robert Kirby, (*Printer*,)
Dr. J. G. Loy,
Richard Moorsom, Esq.
Robert Moorsom, Esq.
Mr. William Nicholson,
— George Peirson,
— Thomas Parkin,
Rev. William Parker,
Mr. Francis Pickernell,
C. Richardson, Esq.
Thomas Richardson, Esq.
Mr. Richard Ripley,
— John Ripley,
— Richard Rodgers,
— Joseph Sanders,
Rev. W. H. Smith,
Mr. George Trueman,
— Thomas Turnbull,
Edmund Turton, Esq.
Mr. George Vasey,
— Francis Watkins,
— Thomas Watson,
— George Watson,
— James Wilkinson,
— Richard Willis,
Misses Wilson,
Mr. John Wilson,
H. W. Yeoman, Esq.
Mr. John Yeoman,
Rev. George Young, A. M.

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Joseph Barker, Esq.
Mrs. Barnes,
Henry Barrick, Jun., Esq.
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Rev. J. Carter,
Jos. Chapman, Esq., *London*,
R. Hunter, Esq., *London*,
William Middleton, Esq.
Miss Pennyman,
Miss Pressick,
Mrs. J. Richardson,
Capt. F. Smalpage,
James Walker, Esq.
Francis Wardale, Esq.
Mrs. Watson, *Spring-hill*,
Mr. William Wilkinson,
Capt. C. Yeoman,
Mr. Thomas Yeoman.

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Henry Atcheson, Esq., F. C. P. S., *London.*
Mr. William Bean, *Scarborough.*
George Bennet, Esq., *London.*
Rev. W. Buckland, D D., F.G.S. F.R.S., F.L.S., &c., *Oxon.*
G. Cumberland, Esq., F. G. S., *Bristol.*
Timothy A. Curtis, Esq., *London.*
Mr. Robert Dadd, *Chatham.*
W. H. Dikes, Esq, F. L. S., *Hull.*
Capt. Stephenson Ellerby, *Whitby.*
William Fryer, Esq. *Newcastle.*
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Mr. J C. Glaives, *of Cath. Hall, Cambridge.*
Dr. George Goldie, *Shrewsbury.*
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Arthur Strickland, Esq., *Boynton Hall.*
Rev. W. Turner, *Newcastle.*
Mr. W. Turner, *Calcutta.*
Dr. Thomas Weatherill, *Liverpool.*
Mr. James Wilcox, *Hovingham.*
Mr. J. Williamson, *Scarborough.*
Mr. William Wilson, *Scarborough.*
Thomas W. Wilson, Esq., *Barnsley.*
Rev. Archdeacon Wrangham, A. M., F. R. S., F. C. P. S. &c., *Hunmanby.*

DONATIONS

Presented to the Museum, since the publication of

The Tenth Report.

Mrs. Ascough, *London.*—Tropic Bird; long and handsome Spear, with numerous Barbs; a Bow, and eleven Arrows; from New South Wales.

Mr. John Bell, Surveyor, *Gateshead.*—Large assortment of Fossil Plants, from the Coal Pits at Gateshead.

Thomas Brodrick, Esq —Skeleton of the Narwhal, with the Horn attached; Head of a Female Walrus, and of a Male Cub, preserved; Skeleton of a Walrus' Head, and of a Bear's Head; Shark's Mouth, and Back Bone; Vertebra of a Whale; two Seals; Jackal, Foumart, Viper, Snake, Guiana, Antelope's Feet; Esquimaux Boots; Pheasant, Woodcock, Partridge, pair of Moor Birds, three Starlings, Woodpecker, Sparrowhawk, Waterhen, Raven shot in lat. 71½ N., and twenty-five other Birds, chiefly from the Arctic Seas.

Mr. J. C. Glaives.—Ten 4to Tracts, containing the following Essays, viz., Sir J. F. W. Herschel on the Double Refraction of Apophyllite; and, On a Machine for resolving Transcendental Equations; Babbage on Electric and Magnetic Rotations; Willis on the Pressure of a Stream of Air upon a Plate; Professor Airy on a Correction of the Solar Tables; and, On an Inequality of Long Period in the Motions of the Earth and Venus; Baily on the Correction of a Pendulum for the Reduction to a Vacuum; Hudson's Hourly Observations on the Barometer; Christie's Experimental Determination of the Laws of Magneto-electric Induction; and Professor Faraday's Experimental Researches in Electricity.

Mr. Orston Hatter.—Jaw Bone, and Scapular Bone, of a young Whale.

Mr. Lars Kiersta.—Specimens of Native Silver, and of Idocrase; a large piece of Amber; and a Wooden Flagon, curiously carved; all from Norway.

Miss Lomas.—An elegant English Quipos, in imitation of the Peruvian Quipos.

Capt. MENNEL.—Two fine pieces of Stalactite, from a cave in the Island of Jamaica.

Rt. Hon. COUNTESS DOWAGER OF MULGRAVE.—Fine specimen of the Mountain Parrot (*Trichoglossus hæmatopus*), the African Touraco (*Musophaga Persa*), and three other Foreign Birds, of rich plumage, all in Glass Cases.

Hon. LADY SOPHIA PHIPPS.—The Red Tanager (*Tanagra rubra*), finely preserved, and in a Glass Case.

Hon. EDMUND PHIPPS.—Specimens of Zeolite, and other Minerals, chiefly from the Giant's Causeway.

Rev. WILLIAM PARKER—.Brent Goose (*Anser bernicla*), well preserved.

C. RICHARDSON, Esq.—Tropic Bird (*Phaeton phœnicurus*), three Mountain Parrots, Mocking Bird, small Quail, Diamond Finch, and two Honey Suckers.

Mr. RICHARD RIPLEY.—Fine preserved Peacock.

Mrs. SCOTT, *Cliff-Lane*.—Assortment of Rock Specimens, Minerals, and Fossils.

A Set of Casts of the Elgin Marbles, in Plaister of Paris, has been purchased for the Museum, by the private contributions of thirty Subscribers.

The following Articles, purchased chiefly by the sale of Duplicates, have been procured for the Museum, by the Rev. George Young, A. M.—

Oliver's History of Beverley, 4to.

Dillenii Historia Muscorum, Royal 4to, with 85 Plates.

Sixteen Saxon Stycas, found at Hexham in 1832; viz., four of Eanred, seven of Ethelred, one of Redulf, one of Eanbald, and three of Vigmund; selected principally by the Rev. William Airey, of Hexham.

Printed by R. Kirby, Bridge-street, Whitby.

BRIT. MUS.
15 JUN 29
NAT. HIST.

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15 JUN 29
NAT. HIST.

TWELFTH REPORT

OF THE

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING,

October 31*st*, 1834:

WITH THE

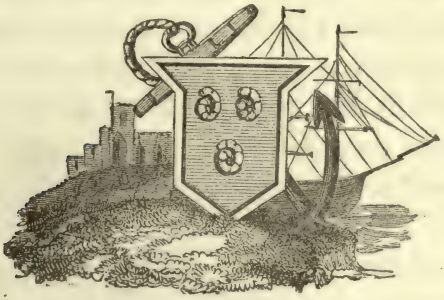
LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE

OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.



WHITBY:

PRINTED BY HORNE AND RICHARDSON.

1834.

BRITISH MUSEUM
NATURAL HISTORY

TWELFTH REPORT.

The history of this Institution, during its Twelfth year, presents but little that is worthy of record. As usual there are matters to report which excite regret, but more that invite us to congratulation.

The Council are happy to observe, that the number of Visitors in this year's list is considerably greater than in either of the two former years, being no less than 415. The admission money has not increased in proportion, the amount being only £5 18s.

The List of Donations presented to the Museum during the year, though less extensive than in the former year, comprises articles of no small value, and may be referred to as a proof of the continued attachment felt for the Society. Among these are some articles possessing considerable local interest, as having been found in making excavations in the line of the Railway, and in digging out the foundations of the old Bridge at Whitby. It is hoped that others who have obtained such relics, may also be induced to deposit them in a place where they are likely to be preserved for ages.

The Royal Society of Edinburgh, in continuance of its former liberality, has presented another portion of its Transactions, Vol. XII. Part II.

Mr. Andrew Sanders, of Stockton, formerly one of the Secretaries, has, in addition to many previ-

ous Donations, presented to the Society, a handsome copy of Smith's Gems, in two folio volumes, printed on drawing paper, and illustrated by many engravings.

Sir John Byerley, Knight, Fellow of the Royal Society of Literature, London, and Member of several other Literary and Scientific Institutions, has presented an elegant and valuable Geological Globe, illustrating his theory of the Motion of the Poles. To this Gentleman the Society is also indebted, for the interesting Essay on the same subject, read at the present Meeting. You will naturally feel a pleasure in electing him an Honorary Member.

The Council regret to state, that no other Essay has been read at the Museum in the course of the year; for notwithstanding the recommendation in last Report, no Member has furnished any Paper since last Anniversary. Let us hope, that there will be no occasion to renew this complaint in another year; but that several Gentlemen will come forward with useful Essays, at successive Meetings of the Society.

It is some consolation to add, that in the close of August and the first days of September, a course of Lectures was given here by Mr. Robt Addams, on the subject of Acoustics;—a subject at once new and interesting to the friends of science at Whitby, and which was handled in a manner that did great credit to the talents of the Lecturer, and

gave no small satisfaction to the respectable audience who attended the course. The proprietors of the Library, as on some former occasions, liberally granted the Lecturer the gratuitous use of their Rooms.

Owing to the state of your finances, the Council have not felt themselves warranted to proceed with putting Glass Cases along the back wall of the Museum; an improvement greatly required for preserving the Collections now exposed. But as many valuable skins of Indian and Australian Birds and Quadrupeds have been for some time kept shut up, it was resolved to have them properly stuffed, and put in Cases. This has accordingly been done, in a very satisfactory manner, by Mr. Graham of Grinkel Park, at the comparatively small expense of £7 10s.

While the contents of the Museum supply a fund of instruction and entertainment to the Members and Friends of the Society, and to numerous Visitors, it is gratifying to find that our Fossil stores are much valued by men of science. We have Saurian specimens of unrivalled excellence; and our Fossil Fishes are also highly prized, by those who are well qualified to appreciate their worth. A few weeks ago, our Museum was visited by Professor Louis Agassiz, from Neufchatel, accompanied by that eminent Geologist, Professor Buckland; and at their special request, the Council have sent nearly the whole of our Fossil Fishes to the Rooms

of the Geological Society in London, to be there figured for a Work on Fossil British Fishes, undertaken by M. Agassiz, by desire of the British Association for the Advancement of Science, who at their recent Meeting in Edinburgh voted one hundred Guineas towards the expense of the Work. The specimens sent from our Museum are deemed peculiarly interesting and valuable, especially those consisting of the Bones of a gigantic Fish, of a new genus; of which M. Agassiz had never before seen a specimen, although he is acquainted with between eight and nine hundred species of Fossil Fishes, of which about one hundred and twenty are British. The specimens will be carefully returned, when drawn; and a copy of the engravings and descriptions will be sent us when ready.

Thus our Society will have the honour of furnishing a most important quota to a great national undertaking; and the worth of our Museum will be extensively known. The facts now stated, indeed, illustrate the advantages of Institutions like this, in preserving for the benefit of science those large fossil specimens, which being too bulky for cabinets or private Collections, would be in danger of being altogether lost or destroyed. Such instances of usefulness may encourage the Society to persevere in their labours, when they find them conducive to the cause of science in general, as well as to the instruction and improvement of the town and neighbourhood.

LAWS AND REGULATIONS

OF THE

Whitby Literary and Philosophical Society.

---

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terms as the Council shall fix.—On special occasions, the Curators, or the Secretaries, may admit Members or Strangers to the Museum, on those days when it is usually shut.

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11. Officers of the Army or Navy, Stationed at Whitby upon duty, shall have the privilege of Honorary Members, for the term of their official residence; and the same privilege shall be enjoyed by the regular Methodist Preachers, during the period of their ministry at Whitby.

12. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share, and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives: and all Members who have sold property to the Society, at a reduced price, shall have the option of repurchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall at his death descend to his representative; but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due on it must be paid up; and the representative or assignee of a Life Governor shall not be exempted from the Annual Subscription of Half-a-Guinea, without paying a sum of Five Guineas in lieu of such subscription.

14. The Annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglect to pay his Subscription before the ensuing Annual Meeting, he

shall be excluded from the benefits of the Institution, until al arrears due on his share be paid up ; and if any Member shal neglect paying his Subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect for bringing him to order; but such expulsion shall not take place, without giving a month's notice at least to the offending Member, and without the concurrence of three-fourths of the Members present at the Public Meeting of the Society held for that purpose.

17. Each Member, upon his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a Member of it.

18. These Laws may be amended or enlarged at any General or Special Meeting of the Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

Regulations for admission to the Museum, adopted by the Council, and confirmed by the General Meeting.

1. The Museum shall be open from half-past Ten to half-past Twelve on Tuesday and Thursday in every week.

2. Any Member or Subscriber may introduce personally, or by a written order, a Friend or Stranger residing above ten miles from Whitby. All Strangers not so introduced, and all Non-Subscribers, residing in Whitby or within ten miles of it, not Honorary Members or Benefactors, and not belonging to the Household of a Member or Subscriber, shall pay One Shilling each, for every admission. Children and Servants shall be admitted at half price.

3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

*** Strangers paying for admission, may be admitted on any day, except Sundays, by applying at the Baths.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a Book to be kept for that pnrpose in the Museum.

5. No person introduced into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a Stick or Umbrella into the Museum, or any thing likely to occasion damage.

OFFICERS
FOR 1835.

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THE RIGHT HON. EARL OF MULGRAVE.

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Capt. John Smith, *Whitby.*
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Rev. W. Turner, *Newcastle.*
Mr. W. Turner, *Calcutta.*
Dr. Thomas Weatherill, *Liverpool.*
Mr. James Wilcox, *Hovingham.*
Mr. J. Williamson, *Scarborough.*
Mr. William Wilson, *Scarborough.*
Thomas W. Wilson, Esq., *Barnsley.*
Ven. Archdeacon Wrangham, A.M., F.R.S., &c., *Hunmanby.*

DONATIONS

Presented to the Museum, since the publication of

The Eleventh Report.

Charles Belcher, Esq.—Fine specimen of Screw-Stone, from Derbyshire; Synopsis of the British Museum, for 1827; and the Skull of an Alligator.

Mrs. Benson, *Aislaby.*—Fossil Nuts, from the deep excavations of the new Harbour at Hartlepool; some China Shot; piece of E. India Paper, made on the Himalayan Mountains; and 10 Mineral Specimens, from various parts.

Sir John Byerley, Knt.— A very handsome Geological Globe.

Mr. Geo. Clark.—Good specimen of Syngnathus Hippocampus.

Mr. W. Corbishley.—Pebble, shewing the exact appearance of a human Face; piece of American Sugar, made from the Beet Root.

Chr. Coulson, Esq.—Biscuits from the Stores of the Fury, brought home by Capt. Ross.

Mr. Coultherd.—A Carpenter's folding Ruler; and 20 Copper Coins, of Charles II, George I, II, and III, &c.; all from the foundations of the Old Bridge at Whitby.

Mr. Hiram Craven, *Keighley.*—Saxon Styca of King Eanred.

Messrs. Craven.—Antique Seal, found in digging out the foundations of Whitby Bridge.

G. Cumberland, Esq., *Bristol.*—Ninth Report of the Bristol Institution.

Royal Society of Edinburgh.—Vol. XII, Part II, of their Transactions.

Mr. Thos. Galilee.—Piece of a Boat's Chain with a Ring and Staple, incrusted with Stone, found in excavating the Foundation of the main Eastern Pier of Whitby Bridge.

Mr. Robert Gardiner, *London.*—Head of the Gavial, or Crocodile of the Ganges, a fine large Specimen; Head of another Crocodile; Heads of a Boar, a Bear, a Leopard, and a Porcupine; singular Claws of a Bird; and an Asiatic Elephant's Grinder.

Mr. Benj. Garminsway.—Specimens of Mica, Quartz, and Moss, from Davis Straits.

Capt. W. Harland.—Pair of Snow Shoes, and a Cap curiously adorned with Beads, &c.

Mrs. W. Holt, *Liverpool.*—Wooller's Plan and View of Whitby, taken in 1734.

Mr. W. Hutton, *Newcastle.*—His Essay on Stratiform Basalt; and the Report of the Natural History Society for Northumberland, &c.

Mr. W. O. Jackson, *London.*—Rupee, and Sicca Rupee, from the E. Indies.

Captain Kains, R.N.—Fifth Report of the Chatham and Rochester Philosophical and Literary Institution.

Mr. L. Kiersta.—Silver Coin of Charles XII, of Sweden.

Nicholas King, Esq.—Fine Fossil Asterias, found in the line of the Whitby and Pickering Railway.

Robert Knox, Esq., M.D., *Edinburgh.*—Sixteen Specimens of Fossil Fishes, &c. from the Burdiehouse Limestone, near Edinburgh; Copies of his "Account of the Dissection of a young Rorqual," "Observations on the Stomach of the Peruvian Lama," and "Observations on the Dentition of the Dugong."

Mrs. Merryweather.—The Hermit of Eskdaleside, with other Poems.

John Mewburn, Esq., *Upper Canada.*—Four beautiful Canadian Birds; several Canadian Newspapers; 19 Mineral Specimens, from Niagara, and Lake Erie; Flint Arrow-head, and piece of Pottery, of the Chippewa Indians.

Rev. Jas. Muir, *Sunderland.*—Leaf of a Burmese M.S. Book.

Mrs. Myddleton, *Grinkel Park.*—Handsome Indian Pouch.

Capt. J. R. Potter.—New Zealand Chief's Head; New Zealand Robe; African Quiver and Arrows.

Thos. Richardson, Esq.—Large human Calculus, cut in two, extracted in 1760.

Mr. Andrew Sanders, *Stockton.*—Smith's Gems, two Vols. Fol. on drawing Paper, with many Engravings.

Scarborough Philosophical Society.—Their Reports for 1832, and 1833.

Mr. M. Simpson, *Wakefield.*—Fossil Shells, from Low Moor Iron Works, near Bradford; two Specimens of Vegetable Impressions, from the Coal Measures, near Wakefield.

Mr. Thornton, *Castleton.*—Fossil Hazel Nut, from a Coal-pit at Castleton, 60 feet below the surface.

Mr. Wm. Turnbull.—Counterfeit Quarter Guinea of James II, found in excavating the foundations of Whitby Bridge.

Francis Wardale, Esq.—M.S. Volume on Agriculture, &c., written by Jonas Brown, Esq., in 1786, &c.

Mr. John Waugh, *Sunderland.*—Small E. India Idol; Part of the Chinese Alphabet.

Mr. M. Wright.—Piece of the Fury's Boat, brought home by Capt. Ross.

Yorkshire Philosophical Society.—Their Reports for 1832, and 1833.

Captain Yeoman.—Report of the Naval and Military Library and Museum, 1834.

ADDENDA.

Mr. W. Bean, *Scarborough.*—Fine Collection of rare Ammonites, and other Fossils, from the Upper Shale, the Second Shale, and other Strata near Scarborough; in exchange for Whitby Fossils.

J. S. Bowerbank, Esq, *London.*—Valuable Collection of Fossils from the Chalk, the Gault, and the London Clay; in exchange for Yorkshire Fossils.

Horne and Richardson, Printers, Whitby.

BRIT. MUS.
15 JUN 29
NAT. HIST.

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13

BRITISH MUSEUM
NATURAL HISTORY

THIRTEENTH REPORT

OF THE

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING,

OCTOBER 31ST, 1835:

WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE

OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.

Whitby:

PRINTED BY R. RODGERS.

1835.

BRITISH MUSEUM
NATURAL HISTORY

THIRTEENTH REPORT

OF THE

Whitby Literary and Philosophical Society.

In conformity with an existing regulation of the Society, and the practice of their predecessors, the Council of the Whitby Literary and Philosophical Society now proceed, in discharge of their duty, to present to the Members, a brief Report of the circumstances and transactions of the Society during the last year.

Although your Council have nothing particularly interesting to communicate on the present occasion, they are disposed to consider the custom of presenting annual Reports, and their subsequent publication and distribution, well calculated to produce beneficial results; for it enables the Members to discover at once, both the strength and the weakness of their Institution; and at the same time affords to the Council a suitable opportunity, for recommending the adoption of such measures, as they believe to be best calculated, not only to promote its present usefulness, but also to secure its permanent prosperity.

Your Society has now had "a local habitation, and a name," for thirteen years; during which period, the pecuniary resources for furnishing your Museum, and for providing suitable glass cases for preserving the specimens, have unfortunately been very small, amounting generally to little more than was required for paying the rent, the Subcurator's salary, and such trifling incidental expenses as the limited sphere of its operations rendered necessary; and had it not been for the peculiar local advantages which we possess, for procuring those rich and gigantic fossil treasures, with which our district abounds, and the zeal and liberality of its members and friends, especially its maritime friends, in forwarding donations from all parts of the World, your Museum never could have attracted the attention, nor excited the interest of the scientific, the learned, and the curious, which the signatures in the Introduction Book sufficiently attest. It must be a source of satisfaction to every member of the Society to reflect, that he has assisted in preserving objects on which the eye of the scientific traveller has dwelt with delight, and the pencil of the artist been exercised with profit; and which, but for your care, would in all probability have been utterly lost. Your stores of curiosities have been augmented from year to year by additional contributions, so that the drawers and shelves of your Museum are literally

crammed, and groaning under the accumulated loads of interesting and valuable articles; without that order, protection, and care, which their value, as well as the respect due to the contributors, ought to secure for them. It may safely be remarked, that contributors will not consider themselves honoured on finding that their donations have been consigned to an obscure corner, or perhaps to a drawer, where they can seldom be seen; and it is reasonable to infer, that they would rather present them to some other Institution, where they would be displayed to greater advantage.

Your Council are aware, that some little disgrace already rests upon the Institution, for want of a new general arrangement and classification of the contents of the Museum; which also require to be catalogued and properly labelled: but which it would be lost labour to attempt, until the specimens, when so disposed of, can be protected from further injury and derangement by suitable glass cases; which it has been impossible for your Council to provide, without incurring debts which they had no prospect of being able to discharge, in any reasonable space of time.

Under these circumstances, the retiring Council avail themselves of the license which the present opportunity affords them, respectfully to recommend a Subscription to be entered into, so as to enable their successors to proceed immediately

in furnishing the shelves along the back part of the Museum, with proper glass fronts; for want of which, many of the finest specimens are constantly exposed to injury.

The Museum still continues to attract the attention of Strangers, about 400 having recorded their names, as visitors during the year.—The amount of cash received for admissions is £5 15*s.* 6*d.*

The Treasurer's accounts will best shew the state of the Society's finances, in which there is neither embarrassment nor confusion; for with the exception of a bond for £40, the Society has no outstanding debts; whilst its property is in reality almost invaluable.

The additions to the Museum have been, as usual, both numerous and valuable, and consist chiefly of donations. The following merit the especial acknowledgments of the Society. A Bust of that eminent Engineer, Geo. Stephenson Esq., (esteemed an excellent likeness) presented by Fred. Swanwick, Esq. A well-finished and very accurate Model of the Whitby Old Draw Bridge, by Mr Francis Pickernell;—and, as a suitable companion, a large and elegant Model of its successor, the New Stone Bridge just erected, deposited in the Museum, by the Commissioners of the Piers and Harbour. The Royal Society of Edinburgh has again forwarded another portion of its interesting Transactions,

Vol. 13, part 1st. A large and valuable Silver Medal of George the 1st, and another of John the 3rd of Poland, were purchased by subscription, and presented to the Museum.

The valuable fossil Fishes which were sent to the Geological Society's apartments in London, for the accommodation of Professor Louis Agassiz, as stated in the last Annual Report, have not yet been returned; but the Secretaries have been assured, by the Professor himself, of their perfect safety.

In the reading of Essays, but little progress has been made:—two only, (with the exception of the excellent "Remarks on Gothic Architecture," now communicated) have been read before the Society since last Annual Meeting. The first was from the pen of John Mewburn, Esq., of Stamford, near the Falls of Niagara, a zealous and highly esteemed Honorary Member of the Society, and formerly one of the Curators of the Museum, "On the Natural History and Agriculture of Upper Canada." It was highly interesting, and gave great satisfaction. The second Essay was from the pen of another learned and zealous Honorary Member, Sir John Byerley, Knt. F.R.S. Lit. &c. &c., who being on a visit at Whitby, did the Society the the honour to read the Essay himself. It was on the "Theory of the Motion of the Poles on the Earth, conformably to their appearance in the

Heavens"—being a recapitulation and continuation of his former Essay; and which he illustrated by reference to the elegant Geological Globe, which he had presented to the Society last year.

The Council regret that the reading of Essays should still require to be urged upon the Members, many of whose attainments in Literature and Science, so well qualify them to do ample justice to any subject which they might think proper to select for discussion:—and they trust, now that the public works, which have so long engrossed the attention of many of the Members, are nearly completed, they will direct their attention to some subjects of a local,or general interest, and favour the Society with the results; for it is by such means chiefly, if at all, that we can hope as a Society, either to assist in the advancement of Science, or in the diffusion of Scientific Knowledge.

Under the patronage of the Society, a short course of Lectures on Astronomy and Optics was delivered last month, in the Library Rooms, to a respectable audience, by Mr Martin Simpson, (a native of Whitby); the Proprietors of the Library, as on former occasions, having kindly allowed Mr Simpson, the gratuitous use of their Rooms.

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10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. Officers of the Army or Navy, stationed at Whitby upon duty, shall have the privilege of Honorary Members, for the term of their official residence; and the same privilege shall be enjoyed by the regular Methodist Preachers, during the period of their ministry at Whitby.

12. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share, and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives: and all Members who have sold property to the Society, at a reduced price, shall have the option of repurchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall at his death descend to his representative; but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due on it must be paid up; and the representative or assignee of a Life Governor shall not be exempted from the Annual Subcription of Half a Guinea, without paying a sum of Five Guineas in lieu of such subscription.

14. The Annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglect to pay his Subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if

any Member shall neglect paying his Subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect for bringing him to order; but such expulsion shall not take place, without giving a month's notice at least to the offending Member, and without the concurrence of three-fourths of the Members present at the Public Meeting of the Society held for that purpose.

17. Each Member upon his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a Member of it.

18. These Laws may be amended or enlarged at any General or Special Meeting of the Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

Regulations for admission to the Museum, adopted by the Council, and confirmed by the General Meeting.

1. The Museum shall be open from half-past Ten to half-past Twelve on Tuesday and Thursday in every week.

2. Any Member or Subscriber may introduce personally, or by a written order, a Friend or Stranger residing above ten Miles from Whitby. All Strangers not so introduced, and all non-subscribers, residing in Whitby or within ten miles of it, not Honorary Members or Benefactors, and not belonging to the Household of a Member or Subscriber, shall pay One Shilling each, for every admission. Children and Servants, shall be admitted at half-price.

3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

*** Strangers paying for admission, may be admitted on any day, except Sundays, by applying at the Baths.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a Book to be kept for that purpose in the Museum.

5 No person introduced into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a Stick or Umbrella into the Museum, or any thing likely to occasion damage.

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Mr J. C. Glaives, *of Cath. Hall, Cambridge*.
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Mr J. Williamson, *Scarborough*,
Mr William Wilson, *Scarbrough*.
Thomas W. Wilson, Esq., *Barnsley*.
Ven. Archdeacon Wrangham, A.M., F.R.S. &c. *Hunmanby*.

DONATIONS

Presented to the Museum, since the publication of

THE TWELFTH REPORT.

HENRY BEAUFOY, ESQ.—Colonel Beaufoy's Nautical and Hydraulic Experiments, Vol. I.

MR. THOS. BOND.—Egyptian Plover.

AARON CHAPMAN, ESQ., M.P.—Handsome Box made from the foundation Piles of old London Bridge, with an Inscription on Silver.

MR GEO. CLARK.—Skin of a large Snake from Africa.

MR CHR. CRAWFORD, *London*.—An Opossum from New Zealand.

GEO. CUMBERLAND, ESQ.—Eleventh Report of the Bristol Institution.

ROYAL SOCIETY OF EDINBURGH.—Vol. XIII. Part I of their Transactions.

Mr L. KIERSTA.—Collection of Noregwian Minerals and Rock Specimens, and a Description of Coins and Jewels found in Norway.

LEEDS PHILOS. & LIT. SOCIETY.—Copy of their Reports for 1833-4. and 1834-5.

CAPT. W. S. MOORSOM, *Cosgrove*.—Four Rock specimens, from the line of the Birmingham Railway.

MRS W. S. MOORSOM.—Piece of polished Stalactite, from a Cave in Bermuda.

Mr B. MILLER.—Musical Instrument from Kamtschatka.

MR THOS. PARKIN, JUN.—Papers saved from the burning of the Houses of Parliament.

MR FRAS. PICKERNELL.—Elegant Model of the old Bridge of Whitby.

CHR. RICHARDSON, JUN. ESQ., *Field House*.—Five American Coins, 4 of Silver and 1 of Copper; a Maryland Dollar Note, of 1774, and a Pennsylvania Note for Eighteen-pence, of 1772.

MR R. RODGERS.—French Assignat, 1791.

SCARBOROUGH PHILOS. SOCIETY.—Their Report for 1834.

FREDERICK SWANWICK, ESQ—Bust of G. Stephenson, Esq.

MR JOHN STORER.—The little Stint. (*Tringa Pusilla*)

MR JOHN WINSPEAR.—Irish Half-penny of George I.

COMMISSIONERS OF WHITBY PIERS,—Beautiful Model of the New Bridge.

ADDENDA.

A large Silver Medal of George I. and an interesting Silver Medal of John Sobieski, King of Poland, have been purchased for the Museum, by subscriptions of Half-a-crown each, from the following Ladies and Gentlemen; Mrs J. Richardson, Mrs Barnes, Miss Pressick, Messrs R. Moorsom, R. Campion, J. Campion, J. Frankland, H. Belcher, C. Belcher, F. Wardale, G. Young, J. Bell, R. Ripley, J. Ripley, G. Watson, W. B. Corbishley, T. Fletcher, G. Peirson, W. Parker, and T. Galilee.

Several specimens of Fossil Fishes, from Skaill Bay, Orkney, and from Banniskirk, Caithness; with an assortment of recent Shells; have been obtained from the Rev. W. Stobbs, Stromness, in exchange for Yorkshire Fossils.

BRIT. MUS.
15 JUN 29
NAT. HIST.

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15 JUN 29
NAT. HIST.

14

BRITISH MUSEUM
NATURAL HISTORY

FOURTEENTH REPORT

OF THE

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING,

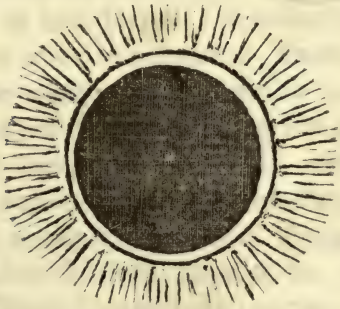
NOVEMBER 4TH, 1836:

WITH A LIST OF THE

OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM:



ANNULAR ECLIPSE,
As seen at Whitby, May 15th, 1836.

Whitby:
R. KIRBY, PRINTER, BRIDGE-STREET.

1836.

BRITISH MUSEUM
NATURAL HISTORY

FOURTEENTH REPORT

OF THE

Whitby Literary & Philosophical Society.

It is now fourteen years, since the Whitby Literary and Philosophical Society commenced its labours; and although, during that period, its energy and progress have not uniformly answered the hopes and wishes of its friends, still it has been steadily advancing from year to year; and the Council now record with pleasure the transactions that have occurred since the last Anniversary.

In accordance with the recommendation contained in last Report, a subscription was begun soon after the Annual Meeting, for inclosing the open shelves in the back part of the Museum with glass fronts; but the amount subscribed being only a small portion of the estimated expense, it was found expedient to delay the execution of this design, till the funds of the Society should be further recruited. Your Council are happy to add, that from the promising aspect of your finances, this most desirable object may ere long be accomplished; and then, an improved arrangement of our valuable collections may be easily effected.

In the mean time, the Museum continues to be an object of attraction for strangers from all quarters: and this year the number

of visitors has greatly increased, amounting in all to 542; while the money received for admissions has been nearly doubled, having reached the amount of Ten Pounds. This increase may be regarded as one of the happy results of the opening of the Whitby and Pickering Railway, which affording facilities for visiting Whitby, will naturally produce a greater influx of strangers. In this part of the Society's revenue, a progressive augmentation may, therefore, be expected; especially if Members and Subscribers exercise a proper discretion in their introductions.

In this, as in former years, many donations have been presented to the Museum, while some additions have been made also by exchange and by purchase. The most valuable acquisition of the year, is an assortment of Fossil Fishes, more than twenty in number, received very recently from the Rev. William Stobbs, of Stromness, now elected an Honorary Member. They are almost all from the Orkneys, and several of them from localities, from which no other Museum has hitherto obtained such fossil treasures. The same Gentleman has sent some ammonites, and other fossils, from the Brora limestone; and some recent Shells from the Mediterranean.—It is proper to add, that the fossil Fishes, lent to M. Agassiz, have all been returned in safety. The Engravings, which he promised, have not yet come to hand; but, as his magnificent work on Fossil Fishes is far advanced, they may be expected soon.

Our esteemed friend, Mr. Murray, an Honorary Member, delivered, last spring, under the patronage of the Society, a Course of six Lectures on the Physiology of Vegetation; which were well attended, and much admired. For this Course, as on many former occasions, the Proprietors of the Subscription Library liberally granted the use of their rooms.

On the 28th of July, Mr. Martin Simpson favoured the Society with an able Essay on the Geology of the West Riding of Yorkshire, illustrated by Diagrams, Rock-specimens, and Fossils. Some of the latter he presented to the Museum, to the stores of which he has more than once contributed. This Gentleman has been elected an Honorary Member of the Society.

On the 12th of September, a Paper by the Rev. J. Barlow, on his newly invented Patent Springs for Carriages, was read by Dr. Merryweather, and illustrated by Models. This important invention has already been put to the test on the Whitby and Pickering Railway, and has given much satisfaction. The Society, considering themselves honoured in being the medium of communicating to the public, an invention which promises to be of extensive benefit, elected Mr. Barlow an Honorary Member.

On Wednesday, October 12th, the Rev. Geo. Young, A. M. read an Essay on some Roman Antiquities discovered at Malton; particularly noticing and explaining a Roman Inscription, on Hildenley limestone, found at

Norton, and procured, in the early part of the year, from Mr. John Larcum. The stone bearing this inscription, appears to have been originally placed in the front of a small temple, dedicated to the god Mars. The preservation of such interesting relics, is an important object of our Institution; and the lover of science and of antiquity will feel a pleasure, in the discovery and preservation of monuments, that tend to throw light on the ancient history of Britain.

These are all the Essays read to the Society during the year, unless we add the communications made to-day by Mr. Young, on the truly interesting discoveries of Andrew Crosse, Esq., of Broomfield, Somerset, in the artificial formation of Quartz, and other crystals, by means of electricity; discoveries, first announced to the British Association, at their late meeting in Bristol, and since made public through various journals. These brilliant discoveries, together with the publication of Professor Buckland's Bridgewater Treatise, must needs give a powerful impulse to scientific investigations;—an impulse that will be felt more or less by all the Philosophical Societies in the empire. And as our own Institution enjoys facilities above most, for the study of Geology, particularly in the department of Organic Remains, it is hoped, that the Members and their friends, will be excited to greater exertions in the cause of science; and that the ensuing year will produce a greater number of literary and scientific com-

munications than those which have preceded it. While we see on every hand, and hear from every quarter, illustrations of the progress of science, and the triumphs of art, we can scarcely fail to be touched with a portion of that enthusiasm in intellectual pursuits, which passing occurrences are calculated to produce and to cherish. Let us so labour, collectively and individually, that our efforts may bear some proportion to the enlightened spirit of the age.

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DONATIONS

PRESENTED TO THE MUSEUM, SINCE THE PUBLICATION OF

THE THIRTEENTH REPORT.

CAPT. WILLIAM BENSON.— Piece of Vitrified Gneiss, from Montreal.

PROFESSOR H. DEWHURST, *London.*— Copy of his Oration at the First Anniversary of the Verulam Philosophical Society, of London; and of his Practical Observations on warming Houses, &c.

MR. JOHN HILL, *Staithes.*—Fine Specimen of the *Cancer Puber.*

MR. RICHARD HUSTLER.—A preserved Frog.

MR. SAMUEL GIBSON, *Hebden Bridge.*—Thirty Specimens of Goniatites, and other Fossils, from the Mountain Limestone, arranged and presented by MR. MARTIN SIMPSON.

NICHOLAS KING, ESQ.— Brass Counter of Queen Ann, and two Foreign Coins.

LANCASTER LIT., SCIENTIFIC, and NAT. HIST. SOCIETY.—Their 1st Report.

MONS. ALBERT LEMAITRE, *Fecamp.*—Two Foreign Coins.

MANCHESTER NAT. HIST. SOCIETY.—Their Systematic Catalogue of British Birds.

NEWCASTLE LIT. & PHIL. SOCIETY.—Their 43rd Report, 1836.

MISS NOBLE.—Two Slow-worms.

MR. THOMAS PARKIN.—A beautiful Foreign Bird.

CHR. RICHARDSON, ESQ.—Singular specimen of Ironstone.

MR. R. RIPLEY.—Specimen of *Tremella Nostroc.*

REV. W. STOBBS, *Stromness.*—A fine Assortment of recent Shells, from the Mediterranean; some Belemnites and Fossil Shells, and 25 Specimens of Fossil Fishes, from Stromness and Sandwick; one specimen, from Banniskirk; two Ammonites, and some other Fossils, from Brora; a Fossil Plant, from Burdiehouse; and some Rock Specimens from Stromness.

VEN. ARCHDEACON TODD.—Copy of Walker's Sketch of the Ancient Military Remains near Malton.

Dr. Travis, *Scarborough*.—Copy of his Letter on the Tumulus near Scarborough, opened, October 12th, 1835.

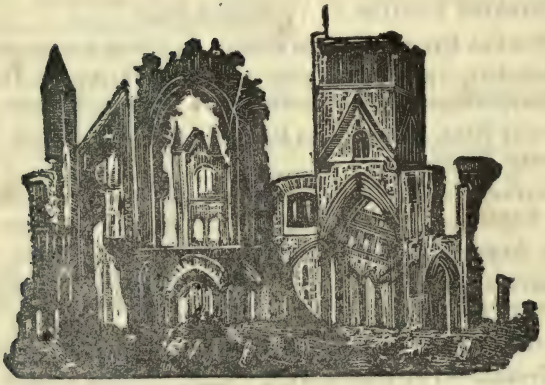
Mr. W. Trueman, *Durham*.—Impression of an Ancient Seal.

Mr. W. Turnbull.—"A Briefe Chronicle", printed in 1611; a Stockport Sixpenny Token.

Capt. Robinson Wakefield.—A Pelican, a Gull, two Porcupine Fishes, and two Vampires, or large Bats.

Capt. Wellbank, *London*.—An Armadillo, a Penguin, in a Case, and a curious Battle-axe.

Yorkshire Philos. Society.—Their Report for 1835.



BRIT. MUS
15 JUN 29
NAT. HIST.

R. Kirby, Printer, Whitby.

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRITISH MUSEUM
NATURAL HISTORY

FIFTEENTH REPORT

OF THE

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY,

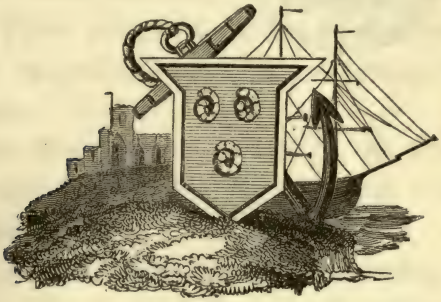
PRESENTED AT THE ANNUAL MEETING,

October 31*st*, 1837:

WITH A LIST OF THE OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.



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1837.

BRITISH MUSEUM
NATURAL HISTORY

FIFTEENTH REPORT.

The transactions of the Whitby Literary and Philosophical Society, during its fifteenth year, relate principally to the Museum; which, since last anniversary, has been greatly enriched, partly by donation, partly by purchase, and still more by exchanges.

From Wakefield Simpson, Esq., Paramatta, an Honorary Member, the Society has received a new and valuable proof of his continued attachment and generosity, in the gift of 30 specimens of Australian Animals, including some rare species of Lizards and Serpents: in addition to which, the same gentleman has presented a splendid collection of East Indian Idols, of brass, thirteen in number; being small images of the principal deities, worshipped by the Hindoos: together with some vegetable specimens from India.

Another Honorary Member, T. A. Curtis, Esq., has liberally presented to the Museum, several beautiful polished slabs of silicious Wood, with other valuable Fossils, from Sheppy; including two specimens of Wood which have been perforated by the Teredo, previous to their impregnation with silex.

From Mr. W. Turner, of Calcutta, also an Honorary Member, the Society has received another rich present; viz. two costly suits of defensive East India Armour, taken at the siege of Bhurtpoor; consisting of Helmets, Rhinoceros Shields, and Coats of Mail, lined with silk, and richly ornamented.

Many other valuable Donations will be found enumerated in the Annual List, shewing that the interest felt in this Institution, by its numerous friends, has not at all abated.

Early in the present year, an extensive and valuable assortment of American Birds, was received from Mr. Barnett, of Niagara, introduced by a letter from our esteemed friend, John Mewburn, Esq. With these were received, a few American Quadrupeds, and some interesting Fossils from the Falls of Niagara; the whole being considered as worth £6 or £8. Mr. Barnett was supplied, in return, with a large collection of our Fossils, a number of recent Shells, and several miscellaneous Curiosities, for his Museum at the Falls, chiefly selected from Duplicates in our Museum: and we are happy to learn, that he has returned safely to Niagara, and that the articles which he took hence, have given satisfaction to his friends.

Our collection of Fossils has again received an important accession, by exchanges with the Rev. W. Stobbs, Stromness, an Honorary Member of the Society. In return for some Fossils, and miscellaneous articles, sent him in the spring, we have just received by the Camden, a valuable assortment of Fossil Fishes, from Stromness and Sandwick, in the Orkneys; with a few other Fossils and Minerals, from Shetland, Brora, &c.

It is expected, that we shall soon receive a Box of German Minerals and Fossils, from Mr. Krantz, of Berlin; who was lately at this place, after attending the Meeting of the British Association at Liverpool,

and expressed a strong desire to engage with us in this kind of friendly traffic.

The Society's collection of Recent Shells being very deficient, the Council, during the spring and summer, embraced the opportunity of enlarging it, by procuring a great number of rare and beautiful specimens from a respectable dealer, to the amount of about £20 value. Of this amount, the greater part was paid in duplicate Fossils, Birds, and Shells; and the rest in money. The collection of Shells, thus improved, has been arranged and labelled by Mr. Young, who has devoted much time to this useful task.

The new classification of the Fossils and Rock Specimens, so long contemplated, will soon, it is hoped, be at length accomplished. The Council have long been proposing, to make up a Collection of Fossils for sale in London, with a view to raise money for purchasing Glass-cases; and this idea being warmly encouraged by a Gentleman of London, well known in the literary world, who lately honoured us with a visit, and who has kindly promised his best services in promoting this object, it is intended to be forthwith carried into effect. A collection of three or four hundred good specimens, properly arranged into a series, and correctly named, a great part of which might be furnished out of our duplicates, may be expected to produce from sixty to one hundred pounds; which will be sufficient to accomplish the object in view. Several men of science who have visited our Museum, have complained of the want of a

stratigraphical arrangement of Fossils and Rocks, and have also felt hurt at seeing so many valuable specimens lying exposed to injury; but it is hoped that, before another anniversary, those causes of complaint will be removed, that the usefulness of our Institution may be increased, and our precious fossil stores secured from danger.

The number of Visitors entered since the last annual meeting, is somewhat less than in the former year, being 475; and the amount received for admission is only £9. Among the visitors, there has been a considerable proportion of men of science, from various parts of the world. To such our collection of Fossils will always be an object of deep interest; especially when, by an improved arrangement, it will be exhibited to greater advantage. This, it is hoped, will be effected before next autumn, when the British Association meets at Newcastle; on which occasion, not a few of the Officers and Members of that Association, those especially who are engaged in Geological pursuits, may be expected to visit us.

The Council have to state, with much regret, that the hope expressed in last Report, that this year would produce an increase in literary and scientific communications, has not been realized; for, with the exception of an abstract of the transactions of the British Association at Liverpool, given by Mr. Young this morning, no Essay or paper has been publicly read in the course of the year. Instead of inquiring into the causes of this failure, it will be more useful to observe, that some provision has been made to pre-

vent its recurrence. A respectable Member of the Society, Dr. Merryweather, has promised a series of Essays on Heat; one of which will be ready in the month of November, and the rest will follow at different intervals. Other Essays and communications may also be expected. The most active friends of the Society have, indeed, numerous engagements, both public and private, to occupy their time; yet it is hoped, that they will so exert themselves in the service of science, that such a blank may never again recur in the annals of our Institution. The Council about to be appointed, must take steps for obtaining a regular succession of public meetings; and when no Essay is brought forward, the meeting may be spent in literary conversation, or in the discussion of some interesting topic belonging to science. By this means, the Members of the Society may contribute to each other's gratification and improvement, a taste for science will be cultivated, and the interests of our Institution materially advanced.

*** Since the Annual Meeting, the Council, in order to expedite the improved classification of the Fossils, and other contents of the Museum, and to promote the general interests of the Society, have engaged Mr. M. Simpson, as Keeper of the Museum, and Lecturer to the Institution.

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DONATIONS

PRESENTED TO THE MUSEUM,

Since the Publication of the Fourteenth Report.

Henry Belcher, Esq.—Valuable Assortment of Ammonites and other Fossils.

Charles Belcher, Esq.—Ancient Tile from St. Albans.

T. A. Curtis, Esq.—Ten Specimens of Fossil Wood, chiefly silicious, with a Fossil Crab; all from Sheppy.

Mrs. Ann Foggo.—Silver Denarius of Faustina, Jun., and a Portuguese Copper Coin.

Lieut. Hutchinson, R.N.—Skull of an Indian from Peru, with a Mat, and part of a Canoe, from his grave.

Capt. John Ness.—Antique Earthen Pitcher, marked G. R.

Mr. Wm. Ripley.—Stone Adze, with fine carved handle, from the South Sea Islands.

Mr. R. Rodgers.—Crease, or Knife, from Ceylon.

Mrs. Scott, *Cliff Lane.*—African Dirk, in a neat Sheath, from Fernando Po.

Wakefield Simpson, Esq.—Thirty Australian Lizards, Serpents, and other Animals; thirteen East India Idols of Brass; and four Specimens of East India Plants.

Rev. W. Stobbs.—Valuable Collection of Fossil Fishes, from Stromness and Sandwick; two Fossil Shells from Brora; several Minerals from Shetland; and some Pebbles from Montrose.

Capt. Swinton.—Model of a Ceylonese Canoe, with Outrigger, from Colombo.

Mr. W. Turnbull.—A Silver Coin of Elizabeth, and one of Charles II.

Mr. W. Turner.—Two costly suits of defensive East India Armour, taken at the Siege of Bhurtpoor; consisting of Helmets, Rhinoceros Shields, and Coats of Mail, lined with silk, and richly ornamented.

Mr. Richard Wilson.—Snake from South America.

John Yeoman, Esq.—Slag from the Ruins of the House of Lords.

BRIT. MUS.
15 JUN 28
NAT. HIST.

BRIT. MUS.
15 JUN 29
NAT. HIST.

16

BRITISH MUSEUM
NATURAL HISTORY

SIXTEENTH REPORT

OF THE

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING,

NOVEMBER 2, 1838:

WITH A LIST OF THE OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.

ENTRANCE OF KIRKDALE CAVE.

WHITBY:
PRINTED BY WILLIAM FORTH, FLOWERGATE.

1838.

BRITISH MUSEUM
NATURAL HISTORY

SIXTEENTH REPORT.

THE year which has elapsed since our last Anniversary, has been peculiarly a year of business and of progress. The anticipations expressed in the 15th Report have, to a great extent, been realized, and the prospects of the Institution are fully more cheering than at any former period.

The long contemplated improvements in the Museum, have at length been carried into effect. Early in the present year, various steps were taken for that purpose. It was resolved to proceed with a stratigraphical, as well as a natural, arrangement of the Fossils, and with the selection of a quantity of duplicates for sale. To facilitate these objects, which could not be attained without much labour and attention, the Council, on the recommendation of Dr. Young, engaged the services of Mr. Martin Simpson, as Keeper of the Museum, and Lecturer to the Institution; considering that gentleman as well qualified for the task of arranging and labelling the specimens, and for promoting the general interests of the Society. The Council then agreed to have the back part of the Museum fitted up with a new series of shelves, on a plan proposed by Mr. Simpson; to have a large proportion of the Fossils of the Yorkshire Coast arranged on these shelves in stratigraphical order; and to

have a Section of the strata of the Coast painted on the frieze above the cases. While these measures were in progress, it was considered to be of essential importance, to have the Fossils on these shelves protected by glass. To procure this advantage, it was found that, in addition to what might be produced by the sale of duplicates, a large sum behoved to be raised by subscription. Accordingly, a subscription was commenced on a liberal scale, and through the generosity of the friends of the Institution, the sum of 33*l.* 4s. 6d, was shortly obtained. The collection of duplicates for sale in London, was on a much smaller scale than had been proposed; but it realized the sum of 13*l*, being sold by Dr. Young, to Professor Sedgwick, for the Cambridge Museum. Funds being thus provided to defray the greater part of the expense, the plan for glass-casing was carried into effect, with the other improvements; and the whole has been finished in a manner that does credit to Mr. Vasey, who undertook the joiner work; as well as to Mr. Wilkinson, who supplied the glass, and Mr. Trueman, who was employed as the painter.

Before the new shelving and casing had been completed, Mr. Simpson made great progress in labelling and classifying the Fossils, having applied himself to the task with much assiduity: as soon as the cases were ready, the specimens were deposited on the shelves; and the whole

stratigraphical series was completed in the spring, in a manner highly satisfactory; the arrangement being a monument of the skill and taste, the patience and perseverance, of Mr. Simpson.

The natural arrangement of the Fossils, according to their classes, genera, and species, has not proceeded simultaneously with the stratigraphical arrangement; but it is now going forward, on an improved plan, and, when finished, will add to the beauty and value of our collections, and will be particularly interesting and advantageous to such as pursue the study of fossil conchology and botany.

To make our Yorkshire series more complete, it has been found necessary to purchase several specimens during the year, particularly a lot of the Speeton Fossils, in which the Museum was very deficient: and it will be proper to add, from time to time, such new Fossils as can be procured on the coast. Yet our collection, even now, is of immense value, in the fossil department; and it is a source of gratification to the members and friends of our Institution, that we have now accommodations for protecting these valuable treasures from injury, that they may be preserved for the benefit of science in future times.

While the Fossil department of the Museum has occupied so much attention, the Mineral department has not been neglected. Early in the year, a box of valuable Minerals was received from

Messrs. Krantz, of Berlin, for which a box of our Fossils was sent in return; and more recently, another valuable assortment of Minerals and Fossils came from the same gentlemen, for which also a return has been made in Yorkshire Fossils. This friendly traffic is likely to be continued, to the advantage of both parties. Our collection of minerals has thus been greatly enlarged and improved, and the whole series has been re-arranged and labelled by Mr. Simpson.

An interesting assortment of Rock specimens, Minerals and Fossils, from the Paris Basin, 93 specimens in all, prepared under the direction of M. A. Brongniart, with a descriptive catalogue, has been presented by Richard Ripley, Esq., and will form an important addition to the treasures in our Museum.

The Fossil department has also been enriched by the addition of twelve rare Lias Fossils, presented by the same gentleman; a valuable Fossil Fish, and a head of the Ichthyosaurus, from the Lias, presented by Henry Belcher, Esq.; thirty rare specimens from the Lias, and four Ammonites from the upper Shale, presented by Mr. M. Simpson; and sixty Fossils, chiefly from the upper Shale and the Oolite, including some rare Echinites and Fossil Fruits, presented by Dr. Young.

Several other valuable Donations, to various departments of the Museum, will be found recorded in the Annual List.

Although the Museum was unavoidably shut up some months, during the progress of the improvements, it is gratifying to notice, that the number of Visitors is nearly as great as in last year, being 457; and in the money received for admissions there is an increase, the sum being 9*l.* 12s. The augmentation of our collections, and their improved arrangement, will of course render the Museum increasingly attractive.

In the department of scientific communications there has also been a decided increase. On the 21st of November last, Dr. Merryweather's first Essay on Heat was read to the Society, and although it has not been followed by any other of the promised series, one or more may be expected shortly. It is encouraging to find, that Dr. Merryweather's views on the subject of Heat, particularly as to its connection with Magnetism, have been confirmed by some observations of Sir David Brewster, made at the late meeting of the British Association.—On the 14th of August, Dr. Young read to the Society, the first part of an Essay on the high Antiquity ascribed to Organic Remains imbedded in stratified Rocks; and on the 17th of the same month, he read the second part of that Essay. He has since communicated the Essay to the Geological Section of the British Association, and it is about to be published, in an enlarged form.*

* It was published in November, a few days after this Report was read.

Arrangements having been made in September, through the agency of Mr. Simpson, for a series of Lectures, to which non-subscribers might be admitted on very moderate terms, the Council applied for the use of the Library rooms for that course; which the Proprietors, with their wonted liberality, readily granted. The course began, September 19th, with an Introductory Address, by Henry Belcher, Esq., on the advantages of Literary Institutions in general, and of the Whitby Literary and Philosophical Society, in particular. On the 26th of the same month, Dr. Young gave an Address, comprising an account of the Meeting of the British Association at Newcastle, which he had attended. On the 27th, a Lecture on Electricity, illustrated by several experiments, was given by the Rev. John Conaty. On the 11th of October, Mr. Simpson gave a Lecture on Geology, illustrated by specimens and sections. And on the 25th, a Lecture on Animal Mechanics was given by John Ripley, Esq., illustrated by various specimens from the Museum. The attendance, on all these occasions, was good, and the communications were very favourably received. The amount paid for admission has not been great, but the attraction of the Lectures has encouraged some to become Members of the Society, or Annual Subscribers; and it is hoped that, by a continuance of such Lectures, at regular intervals, further accessions to our numbers will soon be obtained.

Such additions are the more necessary, as the Society has met with serious losses in the course of the year. The Council would notice in particular, with deep regret, the death of John Yeoman, Esq., a most useful Member, who was cut off in the prime of life, early in the summer; and the removal of Richard Moorsom, Esq., the President of the Society, and one of its founders; whose talents and influence, had he remained in the place, might still have been of eminent service to the Institution.

It is pleasing to observe, in conclusion, that, notwithstanding the great expense of the improvements in the Museum, amounting to about 70*l*, the funds are, on the whole, in a healthy state. The Institution, instead of declining, is likely to grow in usefulness and importance from year to year, an ornament to the town and neighbourhood, and an efficient auxiliary to the cause of science.

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Mr. James Wilcox, *Hovingham,*
Mr. J. Williamson, *Scarborough,*
Mr. William Wilson, *Scarborough,*
Thomas W. Wilson, Esq., *Barnsley,*
Ven. Archdeacon Wrangham, A.M., F.R.S., &c. *Hunmanby.*

DONATIONS

PRESENTED TO THE MUSEUM,

Since the Publication of the Fifteenth Report.

Mr. Barnett, of Niagara.—Fine Specimen of the Bald Eagle,—*Falco leucocephalus.*

Henry Belcher, Esq.—Valuable Fossil Fish; Head of Ichthyosaurus, shewing the eye; Section of the Strata at Growmont.

Mrs. W. Benson.—Ancient Armour; consisting of two Helmets, and a Coat of Mail.

Mr. Gideon Buck.—Eleven Specimens of Copper Ore, from Cobija, near Valparaiso, South America.

Mr. Edward Corner.—Russian Copper Coin.

Doncaster Lyceum.—Copy of Report for 1836.

Capt. Thomas Harrison, *Robin Hood's Bay.*—A young Porpoise, taken in the Atlantic.

Mr. William Hunton.—Copy of Mr. L. Hunton's Essay on the Yorkshire Lias.

Mr. Lars Kiersta.—Copy of Professor Holmboe's Account of 1500 antient Silver Coins, found in Norway, in 1836.

Nicholas King, Esq.—Large Root of Gorgonia.

Mrs. R. Kirby.—Shoes worn by an English Lady in 1770-80.

John Edward Lee, Esq, *Hull*, by Dr. Young.—About 40 Fossil Shells, chiefly from the Green Sand, and Tertiary Deposits.

Richard Ripley, Esq.—Thirteen rare Fossils from the Lias, &c., Whitby; and a fine Collection of 93 Fossils and Rock Specimens, from the Paris Basin; arranged by M. Ad. Brongniart.

Scarborough Philosophical Society.—Copy of their Reports for 1836, and 1837.

Mrs. Scott, *Cliff Lane.*—African Beads, and Tobacco-pipe, from Fernando Po; Pair of New Zealand Trowsers, made of the native Flax, plaited.

Mr. M. Simpson.—Thirty rare Fossils from the Lias, near Whitby; four small Ammonites, from the Upper Shale, near Malton; large specimen of fibrous Gypsum, from the Red Marl, near Newark; copy of the Rev. Thomas Johnstone's Address to the Wakefield Philosophical Society; and two Reports of that Society, for 1830.

Yorkshire Philosophical Society.—Their Report for 1837.

Mr. W. Trueman, *Durham.*—Copy of Johnston's Essay on the Economy of a Coal-Field.

Rev. George Young, D.D.—Sixty Fossils, chiefly from the Upper Shale, and the Oolite; including some rare Echinites and Fossil Fruits.

BRIT. MUS.
15 JUN 29
NAT. HIST.

FINIS.

W. Forth, Printer, Flowergate, Whitby.

16

BRIT. MUS.
15 JUN 29
NAT. HIST.

17

SEVENTEENTH REPORT

OF THE

WHITBY

Literary & Philosophical

SOCIETY,

PRESENTED AT THE ANNUAL MEETING,

OCTOBER 30, 1839;

WITH

THE LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE OFFICERS AND MEMBERS,

DONATIONS PRESENTED TO THE MUSEUM,

The Subjects of the Lectures, &c.

WHITBY:

PRINTED BY R. RODGERS, OLD MARKET PLACE.

1840.

BRITISH MUSEUM
NATURAL HISTORY

SEVENTEENTH REPORT.

In presenting to the Members of the Whitby Literary and Philosophical Society, on its seventeenth Anniversary, the Report of its proceedings during the past year, your Council would direct attention to the improved condition of the Museum, and to the increase in the number of literary contributions by Members of the Society. But whilst your Council congratulate the Society on these results of past labours, they feel it to be their duty, in retiring from office, to remind their successors how much still remains to be done, to render your Institution, what, with care, it is destined to be for the lovers of scientific pursuits,—a systematic source of knowledge, instructive, and easy of access.

By a reference to the Treasurer's accounts of the income and expenditure of the year (the items of which will be published as an Appendix to this Report), it will be seen, that, considering the heavy outlay in fixtures and purchases, the state of the Society's funds is not more depressed than might be expected.

In the course of the preceding year, the President's chair was vacated, by the removal of Richard

Moorsom, Esq., from the place. He was a founder of the Society—its President nearly sixteen years; and whether we consider the talents and general information that so highly qualified him for the office, or his suavity of disposition and dignified demeanour in the discharge of its duties—his influence lost to this Society is a subject of deep regret, for personal, as well as public considerations. To appoint a successor, being a chief object of your care, was the first subject to demand your attention; and in the literary and philosophical attainments of H. Belcher, Esq., was recognised the fairest claim to the honours of the Presidency. He was elected at a general meeting of the Society, on the 8th of November, 1838; upon which occasion the chair was taken by J. G. Loy, Esq., M.D., who explained the object of the meeting—ably reviewed the many and abstruse subjects of science upon which a President ought to be able to pronounce, and urged, that literary merit ought to be a leading principle to guide our judgments in a matter of such importance. It was then moved, "That the respectful thanks of this meeting be presented to Richard Moorsom, Esq., for the many and valuable services which he has rendered to the Society, as its President from its commencement to the present time; and that Henry Belcher, Esq., the senior Vice-President, be appointed his successor."—Proposed by the Rev. Dr. Young, seconded by the Rev. John Conaty, and carried unanimously. It was also agreed, that Christopher Richardson, Esq., be requested to accept the office of Vice-President.

The glass cases and shelves, completed last year,

gave such general satisfaction, both as ornamenting the Museum, and securing from neglect and decay, its vast fossil treasures, that your Council resolved in the early part of the year, to fit up the south and north ends, and also the east side of the Museum, with similar cases and shelves, as receptacles for specimens in the departments of natural history, and other curiosities. The south end, and part of the side cases, as far as the third window in front, were intended to contain antiquities and miscellaneous curiosities; the north end, and north-east side, to contain specimens in zoology, &c.

The whole is now tastefully fitted up; but for the sake of uniformity, and to give due effect to the improvements, your Council would recommend, that the south-end cornice be replaced by an entablature to correspond with the rest of the interior; and that other sections of strata of other parts of England, be painted under Mr. Simpson's direction, on the north and east facia. Then we should have a complete geological section of England, which would be found useful for the youthful geologist, in tracing the outlines of that infant science, and conveying a clear idea of the stratified crust of the globe. Then, also, there would be no need for further decorations, as there is now no room in the Museum, for additional fixtures. The cost of these improvements will be considerable.

A good number of specimens has been placed on the shelves in the new cases; but owing to the confusion from the presence of workmen, during a large portion of the year, a great deal remains to be done

in arranging them. With the help of Sowerby's "Mineral Conchology," and Lindley and Hutton's "Fossil Flora," Mr. Simpson has been enabled to rearrange and label the whole of the fossils of the district—to draw up a full list—and, by appropriate names to such as have recently been discovered, has assigned them a place in the fossil nomenclature. It would be desirable that this, and also a catalogue of the minerals, and indeed of the general contents of the Museum, should be inserted in the printed records of the Society, as a table of reference for Members who might incline to study any branch of the sciences of geology, mineralogy, or natural history. Until such be made out, and the several specimens in the various departments be numerically, as well as stratigraphically arranged, your Council consider the object for which Mr. Simpson's services were engaged, only half accomplished; besides, that hardly any thing has been yet done in entomology, in the shape of classification. Convinced that these deficiencies can best be supplied, and the interest of the Society promoted, by the continued supervision of one so well qualified as Mr. Simpson, who gives heart and hand to the task, it was with regret your Council felt constrained, from the straitened state of the funds, to give that gentleman notice, that at the close of this year his services are to be dispensed with —services at no previous period more indispensable than at the present, and such as no other Member of the Society could have leisure to render, and few only the ability and patience so to do.*

* Since the above was written, Mr. Simpson has been engaged for another year.

Considering the severe drain upon the pecuniary resources of the Society during the current year, by the improvements already noticed, your Council have been careful not to incur any but trifling expenses in adding to the contents of the Museum; for, with the exception of a quantity of Tertiary fossils from the Mediterranean, of the value of £3, and some specimens in zoology, little else has been purchased during the year. Your Council's successors will see the propriety of adopting the same course of economy and reserve, until the finances shall have time to recover from their present depression, by the gradual accumulation of the Society's income, or the voluntary offerings of the friends of the Institution. In the mean time, it is thought advisable to borrow a small sum, to liquidate the debt. It is only justice to state, that the Members of the Society have already contributed very spiritedly to meet all contingent expenses; but the amount received is far from being adequate to clear the accounts.

Amongst the subscribers towards defraying the expense of the late improvements, your Council would gratefully record the name of our illustrious Patron, the Most Noble the Marquis of Normanby, who has given £5, accompanied with the gracious assurance of the interest his Lordship feels in the progress and prosperity of your Institution. His Lordship's communication has reached us, through the Rev. Dr. Young, one of our efficient Secretaries.

Since the last annual meeting, the Museum has received an accession to its valuable contents, through the generosity of several ladies and gentlemen, not

Members of the Society, and the unabated interest manifested by former benefactors, to enlarge its stores, and extend its usefulness.

The thanks of the Society are more particularly due to W. P. Foster, Esq., Surgeon, R. N., who has presented some fine specimens in the natural history department, together with a variety of curiosities from Jamaica and Demerara, all in a high state of preservation.

The Misses Belcher have also a claim to your grateful acknowledgments, by the donation of a large assortment of curiosities, some of them from Southern Africa.

Captain John Becroft is entitled to your thanks, by the donation of 500 shells of divers *genera*, and other miscellaneous curiosities, from Fernando-Po.

The names of other benefactors are to be seen in the list of donations.

After a careful examination of the contents of the Museum, many departments will be found defective; more especially those of natural history: and, indeed, the series of organic fossils belonging to our own neighbourhood, is hardly complete. It would answer a good purpose, if a list of the *desiderata* could be made out; and opportunities might daily offer of procuring them. As to specimens in zoology and entomology of other climates, of which we have so slender a collection; as also fossils, both organic and mineral, from other countries; these might be conveniently procured by an exchange of Whitby fossils, which here are so accessible, and would be rare and invaluable acquisitions to Institutions like ours, in distant

localities. The traffic would be mutually advantageous —add a varied beauty to our Museum, tend to profit the lovers of science, as well as please the curious, and possess equal attractions for all.

The visitors' book for the current year, contains 523 names; but the money received is not in proportion, being £7 only—a sum considerably less than in the preceding year. The number of visitors has been swelled by the gratuitous admission to the Museum, of about 120 of the Members of the Stockton Mechanics' Institute, on one day in the course of the summer: but, though the room was crowded, your Council are happy to inform you, that no damage has been done to any of the specimens.

Your Council feel pleasure in announcing an increase in your Society's numbers, by the accession of some respectable Members and Subscribers since the last annual meeting; of whom, Thomas Chapman, Esq., has become a Life-Governor, by a subscription of ten guineas. His exertions, it is hoped, may be beneficial to the Society. He has set a good example to many of our Whitby gentlemen, who would do well to profit by it.

Hitherto the task of furnishing literary contributions usually devolved on a few only of the Members of the Society, or on strangers, who generally looked for a remuneration of their labours; but during the present year, the pleasing burden has been more equally divided amongst ten, instead of two or three of the resident Members. The number of communications has been in proportion, and considerably greater during the present year, than in any preceding

one since the foundation of your Society. They are seventeen in all, exclusive of the able Essay read this morning, on the Alum Works near Whitby, by Thomas Richardson, Esq. The Lectures, and reading of the Essays, were, for the most part, attended by select and respectable parties, though not always so large as might be expected. As to the merits of the Lecturers and Essayists, it would be invidious to descend to particular praise, when all have deserved so well. Your Council would therefore fain cherish the hope, that the spirit of emulation, so laudably excited to raise the character of your Institution, will not be suffered to languish through the apathy of Members themselves; but that those gentlemen, who have given proofs of talents, industry, and research, will receive, as an inducement to further exertion, due encouragement from your Society; whose duty it is more particularly to co-operate cheerfully with such as are both able and willing, to make your Institution a powerful engine for promoting the cause of science. The zeal and interest thus manifested, cannot fail to procure in time the assistance of many others of our respectable townsfolks, upon whose patronage your Society has certainly strong claims; for to support an Institution like ours, seems to be strictly the duty of those whom Providence has blessed with the abundance of earthly goods; that, bequeathing to their children the patrimony of wealth, they may leave an inheritance of far more permanent, and still greater value to its possessors—a taste for scientific pursuits, and a deep interest in the diffusion of knowledge; that thus

zealous to improve the intellectual and moral condition of the age, they may aid in promoting the happiness of all classes of men. And, in after days, when the ignorance and moral disorders which disgrace our times shall have vanished before the progress of truth and knowledge, like the dreams of night before the light of day, all will look back with admiration and gratitude to these our days, and cherish the memory of the men who have founded and supported Institutions like ours, as true lovers of the human race, and amongst the greatest of earthly benefactors.

LAWS AND REGULATIONS.

1. The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a MUSEUM, and for promoting the interests of SCIENCE by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea* annually, shall be MEMBERS of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea* annually, or of *Ten Guineas* at one time, without any annual Subscription, shall be GOVERNORS of the Society.

3. The business of the Society shall be conducted by a PATRON, a PRESIDENT, two VICE-PRESIDENTS, a TREASURER, two SECRETARIES, and two CURATORS, who, with a COMMITTEE of eight Members, shall form the COUNCIL of the Society.

4. The Council shall meet for transacting business, on the first Thursday of every Month, or as often as they shall find necessary; and three Members shall form a Quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens in Natural History, with other miscellaneous Curiosities, whether of Nature or Art; to which may be added Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the week, and under such regulations, as the Council shall appoint. The families of Members, *residing under their roof*, shall have the privilege of visiting the Museum. No other Inhabitants of Whitby shall be gratuitously admitted, except Benefactors and Honorary Members. Strangers, who have their residence above ten miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall

fix.—On special occasions, the Curators, or the Secretaries, may admit Members or Strangers to the Museum, on those days when it is usually shut.

9. After the Society has existed one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any Subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. Officers of the Army or Navy, stationed at Whitby upon duty, shall have the privilege of Honorary Members, for the term of their official residence; and the same privilege shall be enjoyed by the regular Methodist Preachers, during the period of their ministry at Whitby. N. B. This grant is not meant to confer the privilege of introducing strangers to the Museum.

12. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all Donations to the Society shall be returned, if required, to the Donors, or their representatives: and all Members who have sold property to the Society, at a reduced price, shall have the option of re-purchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall, at his death, descend to his representative: but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due on it, must be paid up; and the representative or assignee of a Life Governor shall not be exempted from the annual Subscription of Half a Guinea, without paying a sum of Five Guineas in lieu of such Subscription.

14. The annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the general Meeting in each year. If any Member neglect to pay his Subscription before the ensuing annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his

share be paid up; and if any Member shall neglect paying his Subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect, for bringing him to order; but such expulsion shall not take place, without giving a month's notice, at least, to the offending Member, and without the concurrence of three-fourths of the Members present at the public Meeting of the Society held for that purpose.

17. Each Member, upon his admission, shall sign an obligation, binding himself to conform to the laws and regulations of the Society, so long as he shall continue a Member of it.

18. These laws may be amended or enlarged at any general or special Meeting of this Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

RULES FOR ADMISSION TO THE MUSEUM,

Adopted by the Council, and confirmed by the general Meeting.

1. The Museum shall be open from half past Ten, to half-past Twelve o'clock, on Tuesday and Thursday in every week.

2. Any Member or Subscriber may introduce personally, or by a written order, a Friend or Stranger residing above ten miles from Whitby. All Strangers not so introduced, and all Non-Subscribers, residing in Whitby, or within ten miles of it, not Honorary Members or Benefactors, and not belonging to the household of a Member or Subscriber, shall pay One Shilling each for every admission. Children and Servants shall be admitted at half price.

3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

*** Strangers paying for admission, may be admitted on any day, except Sundays, by applying at the Baths.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book to be kept for that purpose in the Museum.

5. No person introduced into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a stick or umbrella into the Museum, or any thing likely to occasion damage.

OFFICERS FOR 1840.

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THE MOST NOBLE MARQUIS OF NORMANBY.

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HENRY BELCHER, ESQUIRE.

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C. RICHARDSON, ESQ. | T. FISHBURN, ESQ.

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DR. J. G. LOY,
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MR. FRANCIS PICKERNELL,
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SECRETARIES.

MR. RICHARD RIPLEY, | REV. G. YOUNG, D. D.

CURATORS.

MR. C. BELCHER, | MR. G. WATSON.

LECTURER AND KEEPER OF THE MUSEUM.

MR. M. SIMPSON.

SUBCURATOR.

MR. WILLIAM CORBISHLEY.

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Most Noble MARQUIS OF NORMANBY,

Right Hon. EARL OF CARLISLE,

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Nicholas King, Esq.
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James Wilkinson, Esq.
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Mr. James Wilcox .... *Hovingham,*
Mr. J. Williamson ....*Scarborough,*
Mr. William Wilson .... *Scarborough,*
Thomas W. Wilson, Esq. .... *Barnsley,*
Ven. Archdeacon Wrangham, A.M., F.R.S., &c. *Hunmanby.*

DONATIONS

PRESENTED TO THE MUSEUM,

SINCE THE PUBLICATION OF THE SIXTEENTH REPORT.

JOHN YONGE AKERMAN, ESQ.—6 rare Coins; viz., Calais Groat of Henry V.; Hardit of Edward the Black Prince; Faustina, Sen. 1 B.; Hiero I. Rex Siciliæ; Mamertini; Centuripa.

CAPT. JOHN BECROFT.—500 Shells of the Genera,—Murex, Cypræa, Bulla, Voluta, Strombus, Haliotis, Trochus, Ostrea, Tellina, and Cardium; 20 Fruits; 3 Skins of Quadrupeds; 2 Horns; Porcupine Quills; 5 sets of Beads and Bracelets; a Belt; a Charm; 2 Caps; pair of Sandals; and a pair of Boots; from Fernando-Po.

MISS BELCHER and her Sisters.—Horn of the single-horned Rhinoceros; short Horn of the double-horned Rhinoceros; small Tusks attached to part of the Head of the Babiroussa; large Tusk of the Hippopotamus; piece of Skin of the Rhinoceros; 12 Spears variously headed, used by the different tribes in Southern Africa; Bow and Poisoned Arrows; 2 Assagais; 6 large Ivory Rings; 4 Metal ditto; and 2 Tobacco Pouches.

MR. H. CHILTON, JUN.—American Gold Coin.

MRS. CHOLMLEY, *Airy Hill.*—9 Roman Copper Coins; viz., 7 Magnentius, 1 Constantine the Great, and 1 Constantine, Jun.

MR. T. CLARK, *Liverpool.*—2 Casts of the Fossil Footsteps of the Cheirotherium, and of some unknown Animals, from a slab of new Red Sandstone, raised in Stourton Hill Quarry, Cheshire; also, a Copy of Spencer on Voltaic Electricity.

MR. T. DOWSON.—Fine Fossil Plant, from Aislaby Quarry.

Royal Society of Edinburgh.—Their Transactions, Vol. xiii. Part 2., Vol. xiv. Part 1.; Proceedings, for 1838–9.

W. P. FOSTER, ESQ., *Surgeon,* R.N.—Porcupine Fish; Remora; 2 Flying Fishes; Hog Fish; Head of Guard Fish; Poison Grouper;

Pelican Skin; all from Jamaica: Guana, caught at Antigua; a Bow and 4 Arrows, used by the Indians in Demerara: all in a high state of preservation.

MR. S. GIBSON, *Hebden Bridge.*—3 Goniatites Gibsoni, from the Mountain Limestone Shale, Hebden Bridge.

MR. E. HEBDEN, *Scarborough.*—Lithographic Plate of the Sun Fish washed ashore at Scarborough.

MR. T. HORSMAN —60 Specimens of Insects, collected near Whitby; a Silver Coin.

Leeds Philosophical and Literary Society.—Their Report for 1838–9.

Orkney Natural History Society.—Their 1st Report.

MR. W. ORRAH.—Viper.

MR. J. ROBERTSON.—Spear from Byron's Island.

Scarborough Literary and Philosophical Society.—Their Report for 1839.

MR. J. SIMPSON, *Meadow Field.*—Shilling of George I.

MR. M. SIMPSON.—A number of Insects, a species of Anguis, and a Lizard, taken in the neighbourhood of Whitby; 11 Fossils from the Mountain Limestone, Settle, Yorkshire,—Bellerophon, Goniatites, Spirifera, and Productus.

MR. W. TURNBULL.—A Silver Coin.

MR. G. WILLIS.—2 Spears from Fernando-Po.

MR. G. WILLIS, JUN.—Model of a Boat adapted to pass the Surf, Bombay.

Yorkshire Philosophical Society.—Their Report for 1839; and their Laws, Rules, and Lists for 1839.

[OMITTED IN LAST REPORT.]

T. P. TEAL, ESQ., *Leeds.*—6 Specimens of Fossil Plants, with small Shells (Gen. Cypris), from the West Riding Coal Field.

LIST OF LECTURES.

November 8th, 1838.—Mr. S. Clark,—*On Physiology.*

November 22nd,—Mr. M. Simpson,—*On Natural History; Cephalopodous Animals, recent and fossil.*

December 6th,—Mr. J. Taylerson,—*On Heat.*

December 20th,—Mr. M. Simpson,—*On Astronomy.*

February 28th, 1839.—H. Belcher, Esq.,—*On the Sacred Poetry of the English School, previous to the 17th Century.*—No. 1.

March 14th,—Rev. J. Earnshaw,—*On Taste.*

March 28th,—Dr. Young, —*On the South Sea Islanders.*—No. 1.

April 11th,—Mr. M. Simpson,—*On Natural History; Reptiles, recent and fossil.*

April 25th,—Mr. J. Ripley,—*On Comparative Anatomy; Animal Mechanics.*—No. 2.

May 9th,—Mr. J. Watkins,—*On Elocution.*

June 20th,—T. Richardson, Esq.,—*On Matter, Light, Heat, and Electricity.*

July 4th,—Mr. M. Simpson,—*On Astronomy; the Moon.*

July 18th,—Dr. Young,—*On the South Sea Islanders.*—*No.* 2.

August 1st & 15th,—Dr. Merryweather,—*On Air and Water.*

August 29th,—H. Belcher, Esq.,—*On the Sacred Poetry of the English School, previous to the 17th Century.*—No. 2.

October 25th,—Mr. Charles Walker,—*On the Rise and Progress of Printing.*

October 30th,—T. Richardson, Esq.,—*On the Alum Works near Whitby.*

BRIT. MUS.
15 JUN 29

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY,

In Account with the Treasurer.

Dr.

NOVEMBER 1, 1839.	£.	s.	d.
To Rent....	15	0	0
To Mr. Simpson's Salary	20	0	0
To Sundry Disbursements for Taxes, Coals, Candles, Printing, Stationery, Glass Cases, &c.	33	18	4
	£68	18	4

Cr.

NOVEMBER 1, 1839.	£.	s.	d.
By Subscriptions received	43	15	6
By Subscription from T. Chapman, Esq.	10	10	0
By Cash received for Admission of Strangers	7	0	0
By Cash for Fossils sold	1	8	6
By Cash received at Lectures	3	0	6
By Donations	1	10	6
By Balance due to the Treasurer	1	13	4
	£68	18	4

R. RODGERS, PRINTER, WHITBY.

BRIT. MUS
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 28
NAT. HIST.

EIGHTEENTH REPORT

OF THE

WHITBY
Literary & Philosophical
SOCIETY,

PRESENTED AT THE ANNUAL MEETING,

NOVEMBER 4, 1840;

WITH

THE LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE OFFICERS AND MEMBERS

DONATIONS PRESENTED TO THE MUSEUM,

Subjects of the Lectures, &c.

PICKERING CASTLE.

WHITBY:
PRINTED BY R. KIRBY, CHURCH STREET.

1841.

BRITISH MUSEUM
NATURAL HISTORY

EIGHTEENTH REPORT.

Eighteen years have now passed away, since the Whitby Literary and Philosophical Society commenced its operations, and in reviewing the transactions of that period, the Council may well congratulate the Society and its friends on the progress that has been made. The number of Members and Subscribers is still increasing, the annual Lists of Donations to the Museum shew the estimation in which it is held by its numerous benefactors, and that for the year just expired does not fall short of the former, either in the number or the value of the gifts presented. The Lectures, of which also a list is subjoined, have been fewer than in last year; but the attendance has, for the most part, been considerably greater, and the interest felt in scientific Lectures and papers appears to be on the increase.

Among the acquisitions of the past year, some of the most valuable have been obtained by Dr. Young from John Edward Lee, Esq., of Hull, partly by gift, and partly by exchange; consisting of some very large vertebræ, and other interesting relics, of that singular fossil lizard, the Iguanodon; with other valuable fossils, from the Isle of Wight, and the south of England.

It will be seen from the annual List, that while new donors have presented gifts to the Museum, others who have already contributed to enrich it, have shewed fresh instances of liberality. Of these benefactors, your Council are bound to notice particularly, Thomas Benson, Esq., Mr. Thomas Welbank, and Mr. Christopher Crawford, all of London; Dr. W. H. Foster, Surgeon, R. N., who, as in last year, has presented a large and valuable collection of Shells, Corals, Minerals, and other articles, chiefly from the West Indies. Mrs. Scott, another generous friend, has presented 262 Coins and Medals, of various ages and countries.

With deep regret your Council would record the loss sustained by the Society, in the death of a truly liberal benefactor, Mr. William Turner, late of Calcutta, who has been for several years an Honorary Member, and has from time to time presented munificent Donations. As the last token of his regard for the Institution, he procured before his return to his native country, an excellent specimen of the Gavial, or crocodile of the Ganges, which, in fulfilment of his wishes, Mrs. Turner has presented to the Museum. It is a donation the more valuable and interesting, as, among the living species of Saurians, the Gavial is most nearly allied to our fossil crocodile.

On reviewing the various benefactions received during the year, it appears that, although very

little has been expended in purchasing specimens, the additions made to your rich stores are very considerable: and the accommodations now made for receiving and displaying the contents of the Museum, will naturally lead to an increase of donations; for the friends of the Society will be encouraged to bring their contributions more freely, when they find that they will be at once duly appreciated, carefully preserved, and properly exhibited.

The Museum continues, and will long continue, to be highly interesting and attractive. The number of Visitors entered in the List for the year is 427. The sum received for admissions is only £6 0s. 6d.; a very large proportion of the Visitors having been, as usual, introduced by Members or Subscribers. We have been honoured, as in former years, with the visits of several gentlemen of the highest rank in literature and science. The more, indeed, our collections in geology, natural history, and other departments, are augmented, the more they will facilitate scientific pursuits; so that, from year to year, our Museum will become increasingly interesting, to every student of nature.

With a view to make the value of our Museum more generally known, and render it more extensively useful, in the town and neighbourhood, the Council, after mature deliberation, have given the requisite notice of an alteration of the Rules,

to be proposed to the present Meeting, viz. "That the 11th Rule be set aside (saving the privileges of the Gentlemen to whom it applies now resident in Whitby), and that the following Regulation be substituted in its place:—'The Museum shall be open to the public, one day in each month, under such restrictions as the Council may deem necessary."*

This liberal measure may seem, at first sight, to militate against the interests of the Society: but as it will serve to gratify and interest the public, it may be expected to produce a considerable increase of donations, and even procure the support of additional Members or Subscribers. Similar Institutions, in other parts, have found by experience that nothing is lost by such liberality towards the public.

Of the Lectures and Essays with which the Society has been favoured this year, it is not necessary to speak particularly: all of them were interesting and useful. One Lecture, however, that of the Rev. Dr. Scoresby, on Magnetism, requires to be specially noticed; not only for its intrinsic worth, but the friendly purpose for which it was given. The proceeds of the Lecture were devoted to the Institution, to aid in paying the debts incurred by improving the Museum; and your Council are happy to observe, that the proceeds, deducting expenses, realized the sum of

* This Regulation was unanimously adopted by the Public Meeting.

£4 12s. It would be well, if something more could be done towards the same object; for the debts alluded to must long be felt as a heavy incumbrance, unless means be adopted for their liquidation.

During the year, Mr. Simpson has been diligently employed in arranging and labelling the Fossils, Minerals, Insects, recent Shells, and other specimens in Natural History; with a number of the miscellaneous Curiosities. Much progress has been made in the work; yet much remains to be done, and it might have been greatly for the benefit of the Institution, could Mr. Simpson's services have been secured for another year. The Council, however, on a careful examination of the state of the funds, felt convinced that, unless extraordinary measures could be taken to augment the income of the Society, the salary of a Lecturer and Keeper of the Museum cannot be paid. They have, therefore, been compelled to accept Mr. Simpson's resignation. It is a consolation to reflect, that before the term of his engagement expires, the arranging and labelling may be so far advanced, as to leave comparatively little to accomplish. When every thing has been put in order within the cases, and correctly marked, the task of shewing the Museum to strangers will require neither skill nor pains. To bring it into this orderly state, was the chief thing contemplated in engaging Mr. Simpson; for the Council did not,

from the first, anticipate such an increase of income, as would enable them to have a Keeper of the Museum as a permanent office.

With much regret your Council have to add that we are about to lose the services of another valuable Officer of the Society, Charles Belcher, Esq., who has been, for several years, one of the Curators, and a very efficient Member of the Council. That a Gentleman who has conferred such important benefits on the Institution, should be removing to another part of the country, must be felt as a painful occurrence. He will be followed with the respectful and affectionate regrets of the Members and friends of the Society, and with their warmest wishes for his happiness.

While in this year, as in the former, the Institution is losing some worthy and efficient Members, it is hoped that others will come forward to support it. In Whitby, as in other parts of our enlightened country, the friends of literature and science may be expected to increase. This is not the time for such Institutions to languish. When the triumphs of science are becoming more and more brilliant; when they are working a mighty revolution in the affairs of manufactures and commerce, and even in the intercourse of social life; when, through scientific improvements, a journey from Whitby to the Metropolis can be made in less than a day, and a voyage across the Atlantic in ten days; when the members of the

human family are thus brought nearer to each other; — surely, at such a period, the lovers of science — that science which is working such wonders — should be drawn more closely together, that by their union and cooperation, these illustrious triumphs may be maintained, and be carried out on a larger scale. Whitby has produced some eminent characters in science and literature, and may be destined to raise up many more; and, as connected with this anticipation, the support of our Institution may prove one of the best means for doing honour to the town and neighbourhood, and conferring important benefits on our country, and on the world.

LAWS AND REGULATIONS.

1. The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a MUSEUM, and for promoting the interests of SCIENCE by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea* annually, shall be MEMBERS of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea* annually, or of *Ten Guineas* at one time, without any annual Subscription, shall be GOVERNORS of the Society.

3. The business of the Society shall be conducted by a PATRON, a PRESIDENT, two VICE-PRESIDENTS, a TREASURER, two SECRETARIES, and two CURATORS, who, with a COMMITTEE of eight Members, shall form the COUNCIL of the Society.

4. The Council shall meet for transacting business, on the first Thursday of every Month, or as often as they shall find necessary; and three Members shall form a Quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens in Natural History, with other miscellaneous Curiosities, whether of Nature or Art; to which may be added Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the week, and under such regulations, as the Council shall appoint. The families of Members, *residing under their roof*, shall have the privilege of visiting the Museum. No other Inhabitants of Whitby shall be gratuitously admitted, except Benefactors and Honorary Members. Strangers, who have their residence above ten miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curators or the Secretaries, may admit Members or Strangers to the Museum, on those days when it is usually shut. ☞ This Regulation is modified by the 11th.

9. After the Society has existed for one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such

Subscribers shall be admitted by ballot, a majority of at least three-fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any Subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. The Museum shall be open to the Public one day in each Month, under such restrictions as the Council may deem necessary.

12. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives: and all Members who have sold property to the Society, at a reduced price, shall have the option of re-purchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall, at his death, descend to his representative: but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due on it, must be paid up; and the representative or assignee of a Life Governor shall not be exempted from the annual Subscription of Half a Guinea, without paying a sum of Five Guineas in lieu of such Subscription.

14. The annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the general Meeting in each year. If any Member neglect to pay his Subscription before the ensuing annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any Member shall neglect paying his Subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect, for bringing him to order; but such expulsion shall not take place, without giving a month's notice, at least, to the offending Member, and without the concurrence of three-fourths of the Members present at the Public Meeting of the Society held for that purpose.

17. Each Member, upon his admission, shall sign an obligation, binding himself to conform to the laws and regulations of the Society, so long as he shall continue a Member of it.

18. These laws may be amended or enlarged at any general or special Meeting of this Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

RULES FOR ADMISSION TO THE MUSEUM,

Adopted by the Council, and confirmed by the General Meeting.

1. The Museum shall be open from half-past Ten, to half-past Twelve o'clock, on Tuesday and Thursday in every week.—Strangers paying for admission, may be admitted on any day, except Sundays, by applying at the Baths.

2. Any Member or Subscriber may introduce personally, or by a written order, a Friend or Stranger residing above ten miles from Whitby. All Strangers not so introduced, and all Non-Subscribers, residing in Whitby, or within ten miles of it, not Honorary Members or Benefactors, and not belonging to the household of a Member or Subscriber, shall pay One Shilling each for every admission. Children and Servants shall be admitted at half price.

3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book kept for that purpose in the Museum.

5. No person introduced into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a stick or umbrella into the Museum, or any thing likely to occasion damage.

7. The Museum shall be open to the Public on the first Monday of each month, from Eleven to One, under the following restrictions:

(1.) The admission shall be by Ticket, given by any Member or Subscriber.

(2.) Children under 14 shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum, are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

OFFICERS FOR 1841.

PATRON.

THE MOST NOBLE MARQUIS OF NORMANBY.

PRESIDENT.

HENRY BELCHER, ESQUIRE.

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C. RICHARDSON, ESQ. | T. FISHBURN, ESQ.

TREASURER.

ROBERT CAMPION, ESQUIRE.

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JOHN CAMPION, ESQUIRE,
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DR. J. G. LOY,
MR. FRANCIS PICKERNELL,
T. RICHARDSON, ESQUIRE,
MR. JOHN TAYLERSON,
MR. JOHN WILSON.

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MOST NOBLE MARQUIS OF NORMANBY,
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T. CHAPMAN, ESQUIRE.

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CURATORS.

DR. MERRYWEATHER, | MR. G. WATSON.

LECTURER AND KEEPER OF THE MUSEUM.

MR. M. SIMPSON.

SUBCURATOR.

MR. WILLIAM CORBISHLEY.

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Right Hon. Earl of Carlisle,
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Gideon Smales, Esq.
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Mr. George Trueman,
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Dr. Thomas Weatherill .. .. *Liverpool,*
Mr. Thomas Welbank .. .. *London,*
Mr. James Wilcox .. .. *Hovingham,*
Mr. J. Williamson .. .. *Scarborough,*
Mr. William Wilson .. .. *Scarborough,*
Thomas W. Wilson, Esq. .. .. .. *Barnsley,*
Ven. Archdeacon Wrangham, A.M., F.R.S., &c. .. *Hunmanby.*

DONATIONS PRESENTED TO THE MUSEUM,

SINCE THE PUBLICATION OF THE SEVENTEENTH REPORT.

Mr. Thomas Andrew.—A rare Ammonite, from the lower Lias.

Charles Belcher, Esq.—Catalogue of Animals in the Zoological Gardens, London, 1830:—Shilling of George I; Shilling, *Lima* Shilling, and Sixpence of George II; Shilling and Sixpence of George III, 1787.

T. W. Belcher, Esq.—The little Stilt.

Thomas Benson, Esq., *London*.—Two large stone Cannon Balls, taken out of the sea near Rhodes: A Musket incrusted with stone, from an ancient wreck of a Vessel on the coast of Cornwall: and an Assortment of Steel's Navy Lists.

Mrs. Craig.—A piece of Bone, from Greenland.

Mr. Christopher Crawford, *London*.—An earthen Vessel from the bed of the Thames, adjoining to old London Bridge: a New Zealand flax Cloak; a Horn supposed to be from Davis Straits.

Mr. T. Forth.—An old Shilling.

Dr. W. H. Foster, *Surgeon*, R.N.—Thirty-one specimens of recent Shells from the West Indies; 3 of Coral; 3 of Stalactite, Bermuda; 7 of petrified Wood, Antigua; 5 of Minerals; a Malay Crease; two fragments of the Royal George, with a human Thigh-bone from ditto; 2 Scorpions, several molluscous Animals, and a Remora taken from the back of a Shark, preserved in spirits.

Robert Knox, Esq. M. D. *Edinburgh*.—Five specimens of Ores of Silver, &c., from Chili.

John Edward Lee, Esq., *Hull*.—Collection of Fossils from the South of England, including several bones of Iguanodon, from the Isle of Wight; partly in exchange for Fossils sent by Dr. Young.

Leeds Philosophical Society.—Copy of their Report for 1839-40.

R. I. Murchison, Esq., F.K.S., &c.—Copies of two Geological Tracts, and the Address of the Secretaries at the Glasgow Meeting of the British Association.

Orkney Natural History Society.—Their Second Report.

Christopher Richardson, Esq.—Two specimens of Proteus Anguinus: Coal from the lower Sandstone, Sandsend.

Mr. R. Ripley.—Five large specimens of Lepas Anatifera, in spirits.

Scarborough Literary and Philosophical Society.—Their Report for 1840.

Mrs. Scott, *Cliff-Lane.*—Emblematic Figures from Miguel's Chapel; 262 Coins and Medals, including some Greek, Roman, and Egyptian Coins.

Mr. Peter Scott.—Rare Oyster; *Ostrea Malleus.*

Mr. M. Simpson.—Fossil Elephant's Grinder, supposed to be from the nothern part of Russia; 70 species of Coleopterous British Insects.

Mrs. Turner, *London.*—Large and valuable specimen of the Gavial—Lacerta Gangetica.

Mr. Thomas Welbank, *London.*—Opossum skin Basket, and some Minerals, from Kangaroo Island: a Shield, a Waddy, 2 Handles for throwing Darts, 2 Spears, and several Arrows, from South Australia: 2 long Spears, a war Paddle, and a carved Handle, fro Society Island.

Mr. J. Wilson, *Surgeon.*—Sixpence of Queen Elizabeth.

Worcestershire Natural History Society.—Their Report for 1840.

Dr. Thomas H. Yeoman.—Curious Box, with 3 Ammonites.

Yorkshire Philosophical Society.—Their Report for 1840.

Mr. T. Yorke, *Liverpool.*—Specimen of African Cloth.

LIST OF LECTURES.

August 12th, 1840,—Henry Belcher, Esq.,—*On the Sacred Poetry of the English School, previous to the 17th Century.*

August 26th.—Dr. Young,—*On Springs.*

September 9th.—Mr. M. Simpson,—*On the Construction of Reflecting Telescopes.*

September 18th.—Dr. Scoresby,—*On Magnetism.*

September 23rd.—Rev. J. Laycock,—*On Moral Science.*

October 7th.—Dr. Merryweather, *On some of the Irregularities of the Tides.*

October 21st.—Mr. M. Simpson,—*On Optics;—the Eye, Camera Obscura, and Magic Lantern.*

November 4th.—W. J. West, Esq.,—*On the Great Slip of the Strata in Dorsetshire.—Communicated by Dr. Young.*

BRIT. MUS.
15 JUN 29
NAT. HIST.

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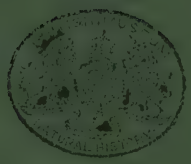


THE

NINETEENTH REPORT

OF THE

WHITBY LITERARY

AND

PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING, NOVEMBER 5, 1841;

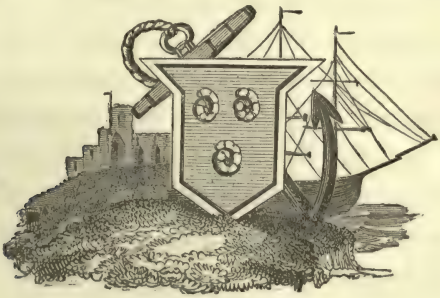
WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.



WHITBY:

PRINTED BY MESSRS. HORNE & RICHARDSON,

BRIDGE STREET.

1842.

BRITISH MUSEUM
NATURAL HISTORY

NINETEENTH REPORT.

In recording the transactions of the Nineteenth year of this Institution, the Council have to report, that although its progress has not fulfilled the wishes of of its friends, it shews no symptoms of decay. The heavy debt contracted in making the recent improvements in the Museum, is likely to be discharged, or greatly reduced, at an earlier period than was expected. This favourable state of the funds is principally owing to the admission of two gentlemen as Life Governors on paying Ten Guineas each, viz. Edward Chapman, Esq., and John Chapman, Esq., both of New Buildings, Whitby. From another branch of the same highly respectable family, Jonathan Chapman, Esq., a donation of £5 has been kindly presented. Another liberal donation of £5 has been received from Edward Cayley, Esq. It is hoped that other valuable additions to the list of members and friends, will ere long be announced.

The Lectures for the year have been less numerous and varied, than in some years preceding. In the latter part of 1840, Dr. Young gave a course of seven Lectures on Geology, under the patronage of the Society. These Lectures, which he delivered at the Temperance Hall, were well attended; and the

sum of £2 was presented to the Society by the Lecturer, out of the clear proceeds.

Early in the present year, the Council solicited Dr. Scoresby to favour the Institution with a course of Lectures. This desirable object has not yet been obtained; but we may hope for this gratification, at a future, and not very distant period.

A correspondence was also entered into with Mr. Murray, with a view to his giving us a course of Lectures: but that able Lecturer was fully engaged when applied to; and when at a later part of the season he offered to lecture at Whitby, the time was found to be unfavourable.

On the 25th of October, Professor Calvert, of Aberdeen, favoured the Institution with a gratuitous Lecture on Elocution. It was delivered at the Subscription Library, the Members of which were also invited to attend. The notice given was very short, yet the audience was large and respectable, and the pleasure experienced on the occasion, was such as to excite a strong desire to have a course Lectures from this eloquent gentleman, at a future season.

The only other Lecture or Essay for the year, is that communicated by Dr. Young, this morning, on the removal of the Sunderland Lighthouse; a work now happily completed, and furnishing another remarkable instance of the triumphs of Science. It is hoped that, in the ensuing year, the list of Lectures will present a large increase, both in number and variety.

The Donations presented to the Museum this year, as in former years, are numerous and valuable, as may be seen by inspecting the Annual List.

Mr. Christopher Crawford, a liberal friend and Honorary Member, sent us last winter another valuable present; consisting of nine jars or bottles, containing preserved Serpents, Fishes, Insects, and Fruits; some rare Foreign Shells; and a handsome Model of the Breakwater at Plymouth.

Mr. R. H. Chilton presented a copy of Walton's Memoir on the Naturalization of the Alpaca, with specimens of its wool, and of cloth made of it.

Some valuable Fossils have been presented by Richard Ripley, Esq.; from whom also some very rare Ammonites, and other fossil Shells, have been obtained by purchase.

But the largest and most valuable Donation for the year is that of Mr. Martin Simpson, consisting of about 1800 specimens of Fossils, from the Mountain Limestone, the Lias, and other strata, as specified in the annual List. This collection being, at a moderate computation, greatly above the value of Ten Guineas, entitles Mr. Simpson to rank as a Life Governor of the Society.

The interchange of Annual Reports with various Literary Institutions, has been maintained, and extended. It is a kind of traffic advantageous to all parties, well calculated to aid the diffusion of knowledge, and to cherish a spirit of friendship and co-operation among Societies engaged in the pursuits of science and literature.

The Resolution for giving free admission to the Museum on one day in each month, was not acted upon till some months after the last Annual Meeting: but a trial was made for one day, in December, by admitting the Subscribers to Dr. Young's Lectures, and a few others. On that occasion, a report being spread, that all persons would be admitted freely to see the Museum, numbers flocked to it for that purpose, and upwards of an hundred were allowed that gratification. It was pleasing to notice the high estimation in which the Museum is held by the public; yet the result of that experiment clearly shewed, that to grant indiscriminate admission would not answer the purpose in view. The Council found it most advisable, to give free admission on the first Monday of every month, by Tickets from Members of the Society, presented to any of their friends or acquaintance. As the season was far advanced before this plan was adopted, only 37 persons have been admitted in this way, which added to the number received in December, will make 140 free admissions; to which if we add the strangers entered as visitors, we find that above 490, or about 500 persons have been admitted this year into the Museum. The admission money amounts to £6 0s. 6d.

Something was done in the winter season towards completing the arranging and marking of the articles in the Museum; but for several months past, the process has been at a stand; not only because Mr. Simpson's service has expired, but because the

Council contemplated making an important purchase, which might require a fresh arrangement of the cases and their contents. In the month of March, a fine specimen of that rare animal, the Plesiosaurus, more complete than any hitherto found, was obtained from the Lias in the Saltwick or Hawsker Cliffs, by Matthew Green and two others. As it appeared highly desirable to procure this specimen, to be a companion to our great Crocodile, the Council made several attempts for that object, and appointed a standing Committee with powers to make the purchase; but the enormous price asked for it, £500, put a stop, for a time, to all negociations. Within these few weeks, as it was known that the discoverers had come down in their terms, the Committee resolved to give Two Hundred Guineas for it; the liberal offers of many Gentlemen connected with the Society encouraging them to advance such a sum. Two of the proprietors were willing to sell their shares on these terms; but the third holding out for more, the purchase did not take place: and and it now appears, that the Plesiosaurus has been bought by Dr. William Clark, for the Cambridge Museum.

Thus disappointed in their object, the Council must be content with endeavouring to get a Cast of this noble specimen; that since the original must leave Whitby, a faithful copy may be deposited in the Museum.

The warmest thanks are due to a goodly number

of Gentlemen, who encouraged the Council in attempting this purchase, by promising liberal donations, or by offering to take shares of £5 each, for raising the money. Among these friends, none displayed more zeal than Andrew Sanders, Esq., of Stockton; who not only offered to take shares himself, but engaged several others to embark in the undertaking. It augurs well for the future interests of the Society, to find that it has friends so numerous, so spirited, and so bountiful; and it is no small consolation under the present disappointment, to think that such zealous efforts have given a stimulus to the Institution, which may tell on its labours for the cause of science in future years.

LAWS AND REGULATIONS.

1. The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a MUSEUM, and for promoting the interests of SCIENCE by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea* annually, shall be MEMBERS of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea* annually, or of *Ten Guineas* at one time, without any annual Subscription, shall be GOVERNORS of the Society.

3. The business of the Society shall be conducted by a PATRON, a PRESIDENT, two VICE-PRESIDENTS, a TREASURER, two SECRETARIES, and two CURATORS, who, with a COMMITTEE of eight Members, shall form the COUNCIL of the Society.

4. The Council shall meet for transacting business, on the first Thursday of every Month, or as often as they shall find necessary; and three Members shall form a Quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens in Natural History, with other miscellaneous Curiosities, whether of Nature or Art; to which may be added Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the week, and under such regulations, as the Council shall appoint. The families of Members, *residing under their roof*, shall have the privilege of visiting the Museum. No other Inhabitants of Whitby shall be gratuitously admitted, except Benefactors and Honorary Members. Strangers, who have their residence above ten miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curators or the Secretaries, may admit Members or strangers to the Museum, on those days when it is usually shut.

☞ This Regulation is modified by the 11th.

9. After the Society has existed for one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting shall appoint; but the Council may, at any of its Meetings, admit to

the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any Subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. The Museum shall be open to the Public one day in each Month, under such restrictions as the Council may deem necessary.

12. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives: and all Members who have sold property to the Society, at a reduced price, shall have the option of re-purchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall, at his death, descend to his representative: but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due on it, must be paid up; and the representative or assignee of a Life Governor shall not be exempted from the annual Subscription of Half a Guinea, without paying a sum of Five Guineas in lieu of such Subscription.

14. The annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the general Meeting in each year. If any Member neglect to pay his Subscription before the ensuing annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any Member shall neglect paying his Subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means

have been used by the Council without effect, for bringing him to order; but such expulsion shall not take place, without giving a month's notice, at least, to the offending Member, and without the concurrence of three-fourths of the Members present at the Public Meeting of the Society held for that purpose.

17. Each Member, upon his admission, shall sign an obligation, binding himself to conform to the laws and regulations of the Society, so long as he shall continue a Member of it.

18. These laws may be amended or enlarged at any general or special Meeting of this Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

RULES FOR ADMISSION TO THE MUSEUM.

Adopted by the Council, and confirmed by the General Meeting.

1. The Museum shall be open from half-past Ten, to half-past Twelve o'clock, on Tuesday and Thursday in every week.—Strangers paying for admission,may be admitted on any day, except Sundays, by applying at the Baths.

2. Any Member or Subscriber may introduce personally, or by a written order, a Friend or Stranger residing above ten miles from Whitby. All Strangers not so introduced, and all Non-Subscribers, residing in Whitby, or within ten miles of it, not Honorary Members or Benefactors, and not belonging to the household of a Member or Subscriber, shall pay One Shilling each for every admission. Children and Servants shall be admitted at half price.

3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book kept for that purpose in the Museum.

5. No person introduced into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a stick or umbrella into the Museum, or any thing likely to occasion damage.

7. The Museum shall be open to the Public on the first Monday in each month, from Eleven to One, under the following restrictions:

(1.) The admission shall be by Ticket, given by any Member or Subscriber.

(2.) Children under 14 shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum, are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

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PRESIDENT.

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MR. JOHN WILSON.

GOVERNORS BY SUBSCRIPTION.

THE MOST NOBLE THE MARQUESS OF NORMANBY,
THE RIGHT HON. THE EARL OF CARLISLE,
THE RIGHT HON. LORD FEVERSHAM.

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CURATORS.

DR. MERRYWEATHER, | MR. G. WATSON.

SUBCURATOR.

MR. WILLIAM CORBISHLEY.

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The Right Hon. the Earl of Carlisle,
The Right Hon. Lord Feversham,

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Gideon Smales, Esq.
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Mr. William Trueman,	*Durham.*
Rev. W. Turner,	*Newcastle.*
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Dr. Thomas Weatherill,	*Liverpool.*
Mr. Thomas Welbank,	*London.*
Mr. James Wilcox,	*Hovingham.*
Mr. J. Williamson	*Scarborough.*
Mr. William Wilson,	*Whitby.*
Thomas W. Wilson, Esq.	*Barnsley.*
Ven. Archdeacon Wrangham, A.M., F.R.S. &c.	*Hunmanby.*

DONATIONS
PRESENTED TO THE MUSEUM,

Since the publication of the Eighteenth Report.

JOHN YONGE ACKERMAN, ESQ.—Copy of his Remarks on the Coins of Ephesus.

Botanical Society of London.—Copy of their Proceedings, Vol. I.

MR. CAVALLIER.—Ten Coins, of Portugal, Prussia, China, &c.

MR. R. H. CHILTON, *Liverpool.*—Copy of Walton's Memoir on the Naturalization of the Alpaca; with three specimens of its Wool, white, brown, and black; and three specimens of Cloth made of Alpaca Wool.

MR. CHRISTOPHER CRAWFORD, *London.*—Nine Bottles containing preserved Serpents, Insects, Fishes, and Fruits; a large Chama, four fine specimens of Murex, and two of Voluta; with a neat Model of the Breakwater at Plymouth.

Royal Society of Edinburgh.—Their Transactions, Vol. XIV. Part II. (omitted in last Report); and Vol. XV. Part I.

Leeds Philosophical and Literary Society.—Their Report for 1840--1.

MR. MORLEY.—An old Newspaper.

CAPT. C. R. MOORSOM, R. N.—Handsome Pair of Pistols, with Case and Apparatus, used by the late Sir R. Moorsom, in the battle of Trafalgar.

RICHARD RIPLEY, ESQ.—Some rare Fossil Plants and Ammonites.

MRS. JOHN RICHARDSON.—Large specimen of recent Alcyonium, or Spongia, from the East Indies.

MR. RICHARD RODGERS.—Fourteen Volumes of Play Bills, printed at Whitby, from 1779 to 1819.

MRS. ROBINSON, *Flowergate.*—Piece of ancient Egyptian Cloth, part of the Wrapper of the Newcastle Mummy; and two Saxon Stycas.

Scarborough Literary and Philosophical Society.—Their Report for 1841.

Mr. Martin Simpson—Large and valuable Collection of Fossil Specimens, about 1800 in all; from the Mountain Limestone, Limestone Shale, Lias, and other strata.

Rev. W. Scoresby, D.D.—Copy of his Essay on Magnetism; his Paper on Dew-drops; his Letter relating to the Modern Arctic Expeditions; and his Sermon preached at Bristol, at the the conclusion of the Meeting of the British Association.

Misses Storr.—Two New Zealand Necklaces; and a Greek Sword, or large Knife, found in the ruins of the Castle of Ulysses at Ithaca.

Miss Elizabeth Storr.—Nova Scotia Penny of George IV.

Mr. Smith, *Lyth Hall.*—Specimen of Astacus rostratus.

Mr. Taylerson.—Specimen of Maple Sugar; vitrified Flint from the burning of the Armoury in the Tower.

Yorkshire Philosophical Society.—Their Report for 1841.

York Glass Company.—Flint Glass Series, eighteen Specimens illustrating the progress of Glass Making; presented through R. Ripley, Esq.

BRIT. MUS.
15 JUN 29
NAT. HIST.

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20

BRITISH MUSEUM
NATURAL HISTORY

THE

TWENTIETH REPORT

OF THE

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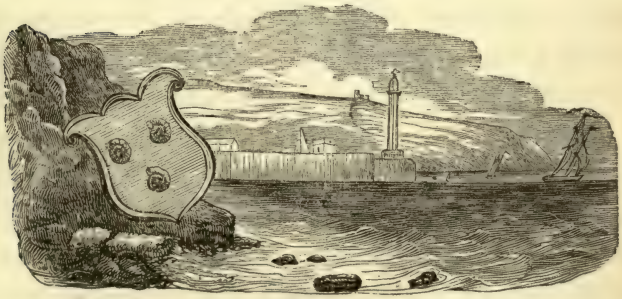

WHITBY ARMS,
With a view of the Piers and Lighthouse, from the S. E.

WHITBY:
PRINTED BY WILLIAM FORTH, FLOWERGATE.

1842.

BRITISH MUSEUM
NATURAL HISTORY

TWENTIETH REPORT.

IT is now Twenty years since the Whitby Literary and Philosophical Society was established. On its arriving at this age, the fifth part of a century, we might wish to have some brilliant discovery in science to record, or some important step of progress in literature or the arts. But as nothing of the kind has occurred at this period of its history, we must be content with announcing, that it still maintains its ground: its strength is unimpaired, its resources are undiminished, its collections are increasing in value from year to year, and its energies are employed in promoting the diffusion of knowledge in its own peculiar sphere, while it co-operates with kindred institutions, in advancing the general interests of science.

Since last Anniversary, no Essays have been furnished by Members of the Society, but a considerable number of Lectures have been delivered under its patronage. In the beginning of March, Mr. S. W. Morton gave a course of four Lectures on Mechanical Science; a subject which had not heretofore been brought before the Society, at least not to the same extent.

In the early part of April, Dr. E. Henderson

gave a course of four Lectures on Astronomy, illustrated by excellent apparatus. He gave also a lecture on Arithmetic and another on Geometry.

In the latter part of June and the beginning of July, Professor Calvert gave a course of eight Lectures on Elocution; and a supplementary Lecture on Scottish and English Poetry, for the benefit of the Infant Schools.

In the present month, three Lectures on Geology, have been delivered by G. F. Richardson, Esq., F.G.S., of the British Museum.

All these courses of Lectures were interesting and valuable, and all of them were, on the whole, well attended; particularly the Lectures of Professor Calvert, with whose popular talents the Society has long been acquainted. Mr. Richardson was obliged to abridge his course, official duties requiring his presence in London; but we hope, at a future time, to enjoy his services on a more extended scale.

It thus appears, that upwards of twenty Lectures have been delivered during the year, under the patronage of the Society. It may be proper to add, that in each instance, the Temperance Hall has been used as the Lecture Room; a purpose for which it is well adapted. The charge for the use of it is very moderate; and the Lectures have occasioned but little expense to the Society.

The Council, indeed, have been acting throughout the year on the most economical plan, with a view to liquidate the debts of the Society. Towards

this object, a sum of above £30. was paid in the beginning of the year; and a further payment is expected to be made, when the subscriptions for the ensuing year shall have been collected.

The visitors admitted to the Museum this year have not been less numerous than in the former year, the number being about 500 : but a greater proportion have obtained free admission, the cash received from strangers being only £4. 10s. 6d. It is satisfactory to find, that the Museum presents increasing attractions, and is visited from time to time by persons of the first rank in science and literature.

The additions made to our collections this year consist chiefly of Fossils. The President, Henry Belcher, Esq., has presented a fine fossil Fish, and above 200 other fossils, from the Lias; about 100 fossil shells from the Cragg, Chalk, Speeton Clay, and Oolite strata; and a goodly assortment of shells from the Inferior Oolite. Above a hundred choice specimens from the Inferior Oolite, with more than 300 other shells, have been received from Mr. Martin Simpson; in exchange for about 200 duplicates from our collection, intended for the Museum of the West Riding Geological and Polytechnic Society. The connection of Mr. Simpson with that Institution, may enable him to render valuable services to our Society, which he has already so liberally aided.

Other handsome Donations, contributed during the year, are specified in the Annual List. Among

these, the Reports and Transactions of various literary and scientific Societies, deserve special notice. With some of these Societies the Council have corresponded, on matters relating to their common interests; particularly, on the subject of procuring an exemption from assessment, for all buildings occupied by such Institutions; and of obtaining for them some of the powers or privileges of corporate bodies. The value of our own Society is best seen, in its connection with kindred Societies. It forms a part of a grand collection of Institutions, all at work for the advancement of science; it is a little star in the large and brilliant constellation, now shedding its lustre on Britain and on the world.

LAWS AND REGULATIONS.

1. The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a MUSEUM, and for promoting the interests of SCIENCE by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea* annually, shall be MEMBERS of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea* annually, or of *Ten Guineas* at one time, without any annual subscription, shall be GOVERNORS of the Society.

3. The business of the Society shall be conducted by a PATRON, a PRESIDENT, two VICE-PRESIDENTS, a TREASURER, two SECRETARIES, and two CURATORS, who, with a COMMITTEE of eight Members, shall form the COUNCIL of the Society.

4. The Council shall meet for transacting business, on the first Thursday of every Month, or as often as they shall find necessary; and three Members shall form a Quorum.

5. All Governors shall have a right to attend and vote at the meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens in Natural History, with other miscellaneous Curiosities, whether of Nature or Art; to which may be added Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the week, and under such regulations, as the Council shall appoint. The families of Members, *residing under their roof*, shall have the privilege of visiting the Museum. No other Inhabitants of Whitby shall be gratuitously admitted, except Benefactors and Honorary Members. Strangers who have their residence above ten miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curators or the Secretaries, may admit Members or strangers to the Museum, on those days when it is usually shut.

*** This Regulation is modified by the 11th.

9. After the Society has existed for one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting shall appoint; but the Council may, at any of its Meetings, admit to

the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. The Museum shall be open to the Public one day in each Month, under such restrictions as the Council may deem necessary.

12. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations to the Society shall be returned, if required, to the Donors, or their representatives: and all Members who have sold property to the Society at a reduced price, shall have the option of re-purchasing it at the same price.

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14. The annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the general Meeting in each year. If any Member neglect to pay his Subscription before the ensuing annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any Member shall neglect paying his Subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means

have been used by the Council without effect, for bringing him to order; but such expulsion shall not take place, without giving a month's notice, at least, to the offending Member, and without the concurrence of three-fourths of the Members present at the Public Meeting of the Society held for that purpose.

17. Each Member, upon his admission, shall sign an obligation, binding himself to conform to the laws and regulations of the Society, so long as he shall continue a Member of it.

18. These laws may be amended or enlarged at any general or special Meeting of this Society; such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

RULES FOR ADMISSION TO THE MUSEUM,

Adopted by the Council, and confirmed by the General Meeting.

1. The Museum shall be open from half past Ten, to half past Twelve o'clock, on Tuesday and Thursday in every week.—Strangers paying for admission, may be admitted on any day, except Sundays, by applying at the Baths.

2. Any Member or Subscriber may introduce personally, or by a written order, a Friend or Stranger residing above ten miles from Whitby. All Strangers not so introduced, and all Non-Subscribers, residing in Whitby, or within ten miles of it, not Honorary Members or Benefactors, and not belonging to the household of a Member or Subscriber, shall pay One Shilling each for every admission. Children and Servants shall be admitted at half-price.

3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book kept for that purpose in the Museum.

5. No person introduced into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a stick or umbrella into the Museum, or any thing likely to occasion damage.

7. The Museum shall be open to the Public on the first Monday in each month, from Eleven to One, under the following restrictions:

(1.) The admission shall be by Ticket, given by any Member or Subscriber.

(2.) Children under 14 shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum, are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

OFFICERS FOR 1843.

PATRON.

THE MOST NOBLE THE MARQUESS OF NORMANBY.

PRESIDENT.

HENRY BELCHER, ESQUIRE.

VICE-PRESIDENTS.

C. RICHARDSON, ESQ. | T. FISHBURN, ESQ.

TREASURER.

ROBERT CAMPION, ESQUIRE.

COMMITTEE.

MR. T. W. BELCHER,
MR. GIDEON BUCK,
MR. GEORGE IMPEY,
DR. J. G. LOY,
MR. FRANCIS PICKERNELL,
T. RICHARDSON, ESQUIRE,
MR. JOHN TAYLERSON,
MR. JOHN WILSON.

GOVERNORS BY SUBSCRIPTION.

THE MOST NOBLE THE MARQUESS OF NORMANBY,
THE RIGHT HONOURABLE THE EARL OF CARLISLE,
THE RIGHT HONOURABLE LORD FEVERSHAM,

A. CHAPMAN, ESQUIRE, M. P.,
COL. G. CHOLMLEY,
H. W. YEOMAN, ESQUIRE,
MR. RICHARD WILLIS,
REV. G. YOUNG, D. D.
T. CHAPMAN, ESQUIRE,
EDW.W.CHAPMAN, ESQUIRE,
J. CHAPMAN, ESQUIRE, N. B.,
MR. M. SIMPSON.

SECRETARIES.

MR. RICHARD RIPLEY, | REV. GEO. YOUNG, D.D.

CURATORS.

DR. MERRYWEATHER, | MR. GEO. WATSON.

SUBCURATOR.

MR. WILLIAM CORBISHLEY.

MEMBERS OF THE SOCIETY.

The Most Noble the Marquess of Normanby,
The Right Hon. the Earl of Carlisle,
The Right Hon. Lord Feversham,

Mr. John Anderson, Jun.
Henry Belcher, Esq.
T. W. Belcher, Esq.
John Benson, Esq.
John Blanchard, Esq.
Mr. Richard Brewster,
Mr. Gideon Buck,
Robert Campion, Esq.
John Campion, Esq.
William Campion, Esq.
Aaron Chapman, Esq. M. P.
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Edward W. Chapman, Esq.
John Chapman, Esq. N. B.
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Col. George Cholmley,
Rev. John Conaty,
Thomas Fishburn, Esq.
Mr. Thomas Fletcher,
Mr. W. Forth,
William Frankland, Esq.
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John Holt, Esq.
Mr. Ralph Horne,
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Joseph Hunter, Esq.
Mr. W. R. Hunter,
Mr. George Impey,
Nicholas King, Esq.
Mr Robert Kirby, *Printer*,
Dr. J. G. Loy,
Dr. G. Merryweather,
Mr. William Nicholson,
Mr. George Parke,
Mr. George Peirson,
Mr. Francis Pickernell,
C. Richardson, Esq.
Thomas Richardson, Esq.
Mr. Richard Ripley,
Mr. John Ripley,
Mr. Silvester Reed,
Mr. Joseph Sanders,
Mr. Martin Simpson,
Gideon Smales, Esq.
Rev. W. H. Smith, A. M.
Frederick Swanwick, Esq.
Trustees of Sneaton Estate,
Mr. John Taylerson,
Mr. George Trueman,
Mr. Thomas Turnbull,
Edmund Turton, Esq.
Mr. George Vasey,
Mr. Francis Watkins,
Thomas Watson, Esq.
Mr. George Watson,
Mr. John Weighill,
James Wilkinson, Esq.
Mr. Richard Willis,
Mr. John Wilson,
H. W. Yeoman, Esq.
Rev. G. Young, D. D.

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Henry Barrick, Esq.
Henry Barrick, Esq. *West side*
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Mrs. J. Richardson,
Mr. Robinson, *Surgeon*,
Mr. K. F. Robinson,
Mr. Waddington,
James Walker, Esq.
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Mr. William Wilkinson,
Mr. Thomas Yeoman.

HONORARY MEMBERS.

Professor Louis Agassiz, M. D.,	*Neufchatel.*
Rev. John Arundel,	*London.*
Rev. Henry Atcheson, B. A., F. C. P. S.,	*London.*
Rev. R. J. Barlow,	*Hutton Rudby.*
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Thomas Clark, Esq.	*Liverpool.*
Mr. William Corbishley,	*Whitby.*
Mr. Christopher Crawford,	*London.*
G. Cumberland, Esq., F.G.S.,	*Bristol.*
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William Fryer, Esq.,	*Newcastle.*

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Dr. George Goldie,	*York.*
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W. Hutton, Esq.	*Newcastle.*
R. Jameson, Esq., M.D., F.R.S.E, F.A.S.E. &c.	*Edinburgh.*
Mr. Lars Kiersta,	*Christiania.*
Robert Knox, Esq., M.D., F.R.S.E., &c.	*Edinburgh.*
John Edward Lée, Esq.	*Hull.*
John Mewburn, Esq., M.D.,	*Stamford, Upper Canada.*
Richard Moorsom, Esq.	*Seaham.*
Capt. Constantine Moorsom, R.N.,	*Birmingham.*
R. I. Murchison, Esq., F.R.S., F.G.S., &c.,	*London.*
John Murray, Esq., F.S.A., F.L.S., F.H.S., &c.,	*Hull.*
John Phillips, Esq., F.G.S., &c.,	*York.*
Mr. W. Robertson,	*Newcastle.*
Mr. J. W. Robinson,	*London.*
Rev. J. Rutherford,	*Channelkirk.*
Mr. Andrew Sanders,	*Stockton.*
W. D. Saull, Esq., F.G.S., &c.,	*London.*
Rev. W. Scoresby, D.D., F.R.S., M.W.S., &c..	*Bradford.*
Rev. A. Sedgwick, D.D., F.R.S., F.G.S., &c.,	*Cambridge.*
Wakefield Simpson, Esq.,	*Paramatta, N. S. Wales.*
Rev. William Stobbs,	*Stromness.*
Arthur Strickland, Esq.,	*Bridlington Quay.*
Mr. William Trueman,	*Durham.*
Rev. W. Turner,	*Manchester.*
W. J. West, Esq.,	*Tunbridge.*
Dr. Thomas Weatherill,	*Liverpool.*
Mr. Thomas Welbank,	*London.*
Mr. James Wilcox,	*Hovingham.*
Mr. J. Williamson,	*Scarborough.*
Mr. William Wilson,	*Whitby.*
Thomas W. Wilson, Esq.,	*Barnsley.*
Ven. Archdeacon Wrangham, A.M., F.R.S., &c.	*Hunmanby.*

DONATIONS,

PRESENTED TO THE MUSEUM,

Since the publication of the Nineteenth Report.

Henry Belcher, Esq.—Fine Fossil Fish, and above 200 other Fossils, from the Lias; about 100 specimens from the Cragg, Chalk, Speeton Clay, Oxford Clay, and Oolitic strata; and a large assortment of Fossil Shells, from the Inferior Oolite.

Mr. Edward Corner.—Antique Bottle, found in Sandgate.

Mr. William Crosby.—Padlock incrusted with stone, found at Saltwick.

Royal Society of Edinburgh.—Their Transactions, Vol. xv. Part ii; and their Proceedings, Nos. 19 and 20, 1841-2.

Earl of Enniskillen and Sir P. G. Egerton, Bart.—Their List of Fossil Fishes.

Dr. W. H. Foster, R.N.—Two Haytian Silver Coins, Petion and Boyer; 4 pieces of cut silver money, of Porto Rico; 24 Copper Coins, Brazilian, Spanish, French, Belgian, &c.

Lancaster Literary, Scientific, and Natural History Society.—Their Report for 1842.

Leeds Philosophical and Literary Society.—Their Report for 1841-2.

Liverpool Mechanics' Institute.—Their Report for 1842.

Capt. Truefit Mead.—Chinese Matchlock, from Chusan.

W. D. Saull, Esq.—Piece of ancient Roman plaister, from excavations lately made in the centre of London; and some small antique vessels of baked clay.

Scarborough Literary and Philosophical Society.—Their Report for 1842.

Mr. Martin Simpson.—Large Assortment of Fossil Shells, from the Inferior Oolite.

Capt. W. Storr.—S. Sea Adze, with elegantly carved handle.

Capt. G. Willis.—Flying Lizard, from India.

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY IN ACCOUNT WITH THE TREASURER.

DR.

October 28*th*, 1842.	£.	s.	d.
To Rent of Museum	15	0	0
— Mr. Corbishley's Interest	3	12	0
— Sundry Disbursements for Taxes, Coals, Candles, Tradesmen's Accounts, Printing, &c.....	76	16	4
— Balance in Treasurer's hands	0	19	9½
	£96	8	1½

CR.

October 28*th*, 1842.	£.	s.	d.
By Cash received from Treasurer	18	1	4½
— Subscriptions received ..	32	9	0
— Cash for the admission of Strangers.....	4	10	6
— Cash from Savings Bank	40	0	0
— Cash received at Lectures	1	7	3
	£96	8	1½

BRIT. MUS.
15 JUN 29
NAT. HIST.

NATURAL HISTORY

THE

TWENTY-FIRST REPORT

OF THE

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY,

Presented at the Annual Meeting, October 27th, 1843;

WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.

WHITBY:

PRINTED FOR THE SOCIETY BY SILVESTER REED.

1844.

BRITISH MUSEUM
NATURAL HISTORY

TWENTY-FIRST REPORT.

As the Whitby Literary and Philosophical Society is now Twenty-one years old, it may be said to have attained its majority; and although its progress during the past year has not been great, it bears the marks of an Institution that has arrived at mature age. Its collections, particularly its fossil treasures, are increasing from year to year; its debts have been further reduced during the last twelve months, and are likely to be soon extinguished; and its efficiency in advancing the cause of science, is not impaired, but augmented.

The Lectures delivered this year under the patronage of the Society, have been fewer than in the former year; yet they have been highly interesting and valuable. In the month of July, two Lectures were given by the Rev. Joseph Crompton, A.M., of Norwich; one on the Formation of Clouds, and another on the Theory of Winds and Storms; both illustrated by numerous diagrams and figures. The attendance, however, was not such as the talents and science of the Lecturer ought to have drawn.

In the month of September, John Murray, Esq., whose services have been frequently enjoyed on former

occasions, gave a course of Six Lectures on Chemistry, and one on the Diamond. These Lectures, like Mr. Murray's other performances, displayed uncommon ability, and accurate research; and his experiments were beautiful and striking: yet your Council regret to say, that the audience did not equal their expectations. It is hoped, that the falling off in the attendance on these courses, does not indicate a declining taste for scientific lectures, on the part of the public; but may be ascribed to accidental and temporary causes, and especially to the prevailing depression in the trade of the town and port. Next season, we may hope, will wear a brighter aspect.

The only other Lecture given this year, in connection with your Society, is that of Dr. Young, at the present Meeting, on some ancient Waxed Tablets, with Roman and Greek Inscriptions, written about the year of Christ, 167, and discovered in old gold mines in Transylvania, forty or fifty years ago.

Several valuable additions have been made this year to the Society's collections, partly by purchase, partly by exchange, and partly by gift. One of the most interesting, is a set of specimens from the Oxford Clay, Coral Rag, and Kelloways Rock, in Wiltshire, obtained by Dr. Young, from Chaning Pearce, Esq., in exchange for Fossils of our own coast, procured at small expense. Some of these specimens are rare and curious, particularly a series of Ammonites shewing a kind of proboscis, or protruded mouth, in various states of developement.

Some interesting Fossils from the Coal Measures of the West Riding, including portions of Fossil Fishes, have been received from Wakefield, through the kindness of Mr. Martin Simpson; who has also presented a few rare Fossils, from the Lias and Inferior Oolite. Mr. Leckenby, of Scarborough, has likewise sent a donation of Fossil Shells, from the Inferior Oolite at Peak.

Our collection of recent Shells has also been improved, both by donations, and by purchase.

The exchange of Reports with other Literary and Philosophical Institutions, has taken place as usual: and among other acquisitions obtained in this way, the Council have to acknowledge the receipt of Part iii. Vol. XV. of the Transactions of the Royal Society of Edinburgh. In connection with this addition to our Library, it is proper to notice, that Thomas Chapman, Esq., observing that the books were ill accommodated, has kindly fitted up shelves for their reception.*

While the stores of our Museum are thus increasing in number and value, it must needs become more attractive and interesting to the lovers of science. In this year, the number of Visitors has been nearly the same as in last year, being about 500. Among these were many individuals distinguished for science and literature, not only from various parts of our own country, but also from foreign lands: and it is gratifying to notice, that the admission money this year has

* Since this Report was read, the same gentleman has generously presented a splendid copy of Allan's Pictorial Tour in the Mediterranean. Rich presents have also been received from Dr. Foster, Dr. Lee, and others, as enumerated in the Annual List of Donations.

considerably increased, the amount being £5 6s. 6d. These facts will naturally serve as a stimulus to the Council, to render the Museum still more valuable and attractive.

Another cheering circumstance requires to be mentioned. In the close of last Report, it was remarked, that a correspondence had been entered into with other literary and scientific Institutions, with a view to procure for such Institutions an exemption of the buildings which they occupy from all local Taxes or Assessments. In the course of this year, a Bill for securing this object, prepared chiefly by Mr. Ryland, of Birmingham, was brought into Parliament; petitions in its favour were sent up from various Institutions, including one from our own Society, which was kindly presented by Aaron Chapman, Esq., Member for the Borough. It is gratifying to add, that the Bill passed through Parliament without the slightest opposition; a circumstance much to the credit of the legislature and the country at large. The Bill came into operation in the present month, and in compliance with the requisitions of the Act, your Council have forwarded three copies of our Rules, duly authenticated, to John Tidd Pratt, Esq., the gentleman appointed to examine such Rules, and give certificates for claiming the exemption granted. It is pleasing to think, that we live in a country where the government and legislature are ever ready to afford facilities for scientific pursuits, and to encourage the spread of education and literature.

This measure may do more to serve the interests of our Society, than the mere amount annually saved. Receiving, with kindred Institutions, this public countenance, let us feel ourselves the more powerfully stimulated to labour with diligence and zeal in promoting the common objects of such Institutions, and convey to future generations increased facilities for scientific investigation.

In conclusion, your Council would observe, that the Annual Meeting of the British Association for the Advancement of Science, is to be held next year in York, where its first Meeting took place: and it is hoped, that several Members of our Society will avail themselves of the opportunity of attending. The services rendered to science by the Association, are of the highest value. It was at their request, that the late voyage of discovery in the Southern Hemisphere was undertaken by the British Government five years ago; and on their recommendation, it was placed under the care and command of Capt. James Ross, who, in the discovery of a large southern continent, called Victoria, after our beloved Queen, has added fresh laurels to the British name.

LAWS AND REGULATIONS.

1. The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas* or upwards, on admission, and *Half a Guinea* annually, shall be Members of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea* annually, or of *Ten Guineas* at one time, without any annual Subscription, shall be Governors of the Society.

3. The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with a Committee of eight Members, shall form the Council of the Society.

4. The Council shall meet for transacting business on the first Thursday of every month, or as often as they shall find necessary; and three Members shall form a quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

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8. The Museum shall be open for the convenience of the Members, on such days of the week, and under such regulations, as the Council shall appoint. The families of Members, *residing under their roof*, shall have the privilege of visiting the Museum. No other inhabitants of Whitby shall be gratuitously admitted, except Benefactors and Honorary Members. Strangers who have their residence above ten miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curators or the Secretaries may admit Members or Strangers to the Museum on those days when it is usually shut.

*** This Regulation is modified by the 11th.

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Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. The Museum shall be open to the public one day in each month, under such restrictions as the Council may deem necessary.

12. The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations to the Society shall be returned, if required, to the donors or their representatives: and all Members who have sold property to the Society at a reduced price, shall have the option of re-purchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and if not previously disposed of, it shall, at his death, descend to his representative; but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due upon it must be paid up; and the representative or assignee of a Life-Governor shall not be exempted from the annual subscription of Half a Guinea, without paying a sum of Five Guineas in lieu of such subscription.

14. The annual subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting, in each year. If any Member neglect to pay his subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any Member shall neglect paying his subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect, for bringing him to order; but such expulsion shall not take place without giving a month's notice, at least, to the offending Mem-

ber, and without the concurrence of three-fourths of the Members present at the Public Meeting of the Society held for that purpose.

17. Each Member upon his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a Member of it.

18. These Laws may be amended or enlarged at any General or Special Meeting of this Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

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Adopted by the Council, and confirmed by the General Meeting.

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3. Under special circumstances, Strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book kept for that purpose in the Museum.

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(3.) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

OFFICERS FOR THE YEAR 1844.

PATRON.

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PRESIDENT.

HENRY BELCHER, Esq.

VICE-PRESIDENTS.

C. RICHARDSON, Esq. | T. FISHBURN, Esq.

TREASURER.

JAMES WILKINSON, Esq.

COMMITTEE.

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W. FRANKLAND, Esq.,
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Mr. F. PICKERNELL,
T. RICHARDSON, Esq.,
Mr. JOHN TAYLERSON,
Mr. JOHN WILSON.

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Col. G. CHOLMLEY,
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Rev. G. YOUNG, D.D.
T. CHAPMAN, Esq., F. R. S.
E. W. CHAPMAN, Esq.,
J. CHAPMAN, Esq., (N. B.)
Mr. M. SIMPSON.

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RICHARD RIPLEY, Esq., | Rev. G. YOUNG, D.D.

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SUB-CURATOR.

Mr. WILLIAM CORBISHLEY.

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Rev. R. J. Barlow, ... *Hutton Rudby.*
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Rev. William Stobbs, ... *Stromness.*
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Rev. W. Turner, ... *Manchester.*
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Mr. Thomas Welbank, ... *London.*
Mr. James Wilcox, ... *Hovingham.*
Mr. J. Williamson, ... *Scarborough.*
Mr. William Wilson, ... *Whitby.*
Thomas W. Wilson, Esq., ... *Barnsley.*

DONATIONS,

PRESENTED TO THE MUSEUM,

Since the publication of the Twentieth Report.

Mrs. Andrew.—An Assortment of small recent Shells, from the Channel Islands.

Mr. F. Anderson.—Four Silver Coins of Charles II.

Mrs. Armstrong.—Piece of Torch Wood from China.

H. & G. Barrick, Esqs.—Two specimens of Wood, from the ship Radcliff, curiously pierced by the *Teredo Navalis.*

Charles Belcher, Esq.—Copy of Dr. Marsh's Address to the Warwickshire Natural History and Archæological Society, 1843.

Mr. Richard Breckon.—Chinese Swivel Gun.

Thomas Benson, Esq.—Part of a Foot-rope taken out of the sail room of the Royal George, at Spithead, in 1843.

Mr. William Cavallier.—Specimen of melted Gun-Flints, from the burning of the Tower of London.

Thomas Chapman, Esq., F. R. S., &c.—Splendid copy of Allan's Picturesque Tour in the Mediterannean.

Mr. W. Clark and Messrs. Flintoft & Lister.—Bird's Nest with Three Eggs, found in the interior of an Ash Tree, cut near Sneaton; with that part of the Tree in which it was found.

Royal Society of Edinburgh.—Their Transactions, Vol. xv. part iii; and Nos. 21 & 22 of their Proceedings.

Dr. W. H. Foster, R. N.—Peruvian Mummy from Arica, supposed to be four or five hundred years old: an Albatross, and Seven other Sea-Birds, with Two Red Birds, from Chili; Fiji Basket, Fiji Hand-Club; Tahitian Cloth, and Ornament for the Hair; Two Bolivian Coins, and a small Peruvian Coin; specimens of

Copper Ore, from the mines of Chili, Bolivia, &c.: specimens of Lava, from the Peak of Teneriffe, with a portion of the extreme point of the Peak; and some Stag-horn Beetles from Chili.

Mr. W. Gibson, London.—Two long Spears and a pointed Paddle, from the South Seas.

Mr. Leckenby, Scarborough.—Twenty Fossil Shells, from the Dogger at Peak.

Dr. John Lee, F. R. S. &c.—Volume of Tracts of the Peace Society; Proceedings of the Peace Convocation, in 1843; three Nos. of the Herald of Peace, with Two smaller Publications; Proceedings of the Numismatic Society, 1836—1839; and Thirteen Engravings of Antiquities, &c.

Dr. James Macaulay, M. A., F. B. S., &c.—Copy of his Notes on the Physical Geography, Geology and Climate of Madeira.

Mr. William Morley, jun.—Proclamation of Oliver Cromwell.

Mr. M. Simpson.—An Assortment of Fossils, from Wakefield, including some specimens of Fossil Fish, from the Coal Strata; also Twelve Fossil Shells, from the Lias, and the Inferior Oolite.

Mr. John Smith, Mariner.—Pair of Wooden Shoes, from Shetland, worn by the late Rev. Dr. Adam Clarke.

F. W. Tappenden, Esq., Newcastle—Copy of Memoir of William Chapman, Esq., M. R. I. A., Civil Engineer.

Mr. W. Thompson, Mason, Westerdale.—Part of an Ancient Bier, from Westerdale Church.

Mr. W. Turnbull.—A German Silver Coin.

Mr. M. Turnbull.—Copy of a Document relating to the Port of Whitby.

James Yates, Esq., M.A., F. R. S., &c.—Torch Wood from Asia Minor, brought home by Mr. Chs. Fellows.

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY

IN ACCOUNT WITH THE TREASURER.

DR.

October 27th, 1843.

	£.	s.	d.
To Rent of Museum - -	15	0	0
— Mr. Corbishley's Interest -	3	12	0
— Disbursements for Taxes, Printing, Stationery, Coals, Candles, Tradesmen's Accounts, &c. - -	30	18	6½
— Mr. Crompton's Lectures -	1	3	0
— Mr. Murray's ditto - -	10	0	0
	£60	13	6½

CR.

October 27th, 1843.

	£.	s.	d.
By Cash from Treasurer - -	0	19	9½
— Subscriptions received - -	28	13	0
— Admission of Strangers -	5	6	6
— Cash at Mr. Crompton's Lectures - - - -	1	4	0
— Cash at Mr. Murray's ditto -	7	16	0
— By Property Tax returned -	0	4	4½
— Balance due Treasurer -	16	9	10½
	£60	13	6½

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRITANNICUS
15 JUN 29
NAT.HIST.

22

22

BRITISH MUSEUM
NATURAL HISTORY

THE

TWENTY-SECOND REPORT

OF THE

WHITBY LITERARY & PHILOSOPHICAL SOCIETY,

Presented at the Annual Meeting, October 25th, 1844:

WITH THE

LAWS & REGULATIONS OF THE SOCIETY,

A LIST OF THE OFFICERS & MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.

WHITBY:

PRINTED FOR THE SOCIETY, BY R. KIRBY, CHURCH STREET.

1845.

BRITISH MUSEUM
NATURAL HISTORY

TWENTY-SECOND REPORT.

The Twenty-second year of the Whitby Literary and Philosophical Society has not been signalized by any remarkable transaction or event. The Institution has maintained its ground, and its progress, though not rapid, has been steady and encouraging.

The additions made to the valuable collections in the Museum, have been chiefly derived, as in past years, from the liberality of our friends. The handsome donations of Dr. Foster, received some time after our last anniversary, were referred to in a note in last year's Report; as was also the splendid volume presented by Thomas Chapman, Esq., F. R. S., F. S. A. In addition to the articles inserted in the list for that year, as presented by Dr. Foster, he has since forwarded a Bow and Arrows, used by the Indians of Demerara; as also, a Bow and Arrows from the Feejee Islands. A beautiful model of a Canoe, richly carved, manufactured in New Zealand, has been presented by Robert Barry, Esq.

The Earl of Mulgrave, whom we have the honour to receive at this time as a new member

of the Society, has presented a fine specimen of the Caribou Deer, brought from Canada, which, though a female, is furnished with horns.

A large Indian Idol, has also been presented by Mr. Thompson, of Liverpool.

Other valuable presents will be found enumerated in the annual List: and it may be remarked, that, besides the Fossils received by gift, several interesting specimens from the Crag, Chalk, &c., have been obtained from Augustus Lewis, Esq., in exchange for Yorkshire Fossils, sent him by Dr. Young.

Little has been done, during the year, in the arranging and marking of the contents of the Museum; but a case has been prepared for the reception of the Peruvian Mummy, given by Dr. Foster, and other relics of a similar kind, formerly presented, have been collected into the same case, for the better inspection of the whole.

The Council feel a pleasure in recording an increase in the List of Visitors, the number this year being upwards of 500. The increase in the amount of admission money is greater in proportion, the sum received being £6 7s. 1d. Of this amount, a considerable part was paid by members and friends of Mechanics' Institutes, who visited Whitby in large parties during summer, and were admitted at a very reduced rate. While our collections improve from year to year, the Museum will become more attractive, not

only to the lovers of science, but to all who admire the works of nature, and feel an interest in the productions of remote ages, and of distant parts of the world.

Your Council regret to state, that no improvement has taken place in the lecturing department of the Society's operations. In the month of May, Dr. Young delivered two Lectures on Animal Physiology, intended as an introduction to a course of Lectures on Natural History; but the attendance was not such as to encourage him to proceed with the course which he had in view. During the present month, he has given three Lectures, on the principal subjects brought before the British Association for the Advancement of Science, at their recent Meeting in York; and the attendance on these was not much larger. The depression in trade, alluded to in last Report, still retards the progress of the Society in this department; and the Council has been under the necessity of declining the proposals of more than one Lecturer, who wished to give a course in connection with our Institution.

Notwithstanding these discouraging circumstances, we may confidently anticipate an increased attention to scientific pursuits. The recent Meeting of the British Association will naturally serve to give an impulse to the operations, not only of the Yorkshire Philosophical Society, but of all the Philosophical Societies in

the County: and although only three members of this Society had an opportunity of attending the meeting at York, viz., the two Secretaries and Mr. Davis, yet this Institution must feel, in some degree, the exciting effect of that highly interesting meeting. The discoveries in science, and improvements in the arts, brought before the different Sections, with the valuable communications made, on a rich variety of topics, must needs give an increasing stimulus to scientific and philosophical pursuits. Even the assembling of so many individuals, eminent in literature and science, of various ranks, classes, and nations, several of them moving in the most exalted spheres, and distinguished by their talents and personal worth, cannot fail to excite an uncommon interest, and to awaken not a few to engage in those noble pursuits, which tend in no small degree, to elevate our nature, enlarge and refine our powers and feelings, and thus increase our pleasures, and extend our usefulness. Limited as our resources are, and secluded as the place of our abode may seem, we have done something, and may do much more, for advancing the grand objects of such Associations: and the important results attending the labours of the British Association, should stimulate every local Institution, however contracted its sphere, to put forth all its strength in the service of science, literature,

and art; that it may thus fulfil its part, in accelerating the march of those brilliant discoveries and improvements, which have ennobled our country, and have become a blessing and an honour to the present age.

LAWS and REGULATIONS.

1. The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas* or upwards, on admission, and *Half a Guinea* annually, shall be Members of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea* annually, or of *Ten Guineas* at one time, without any annual Subscription, shall be Governors of the Society.

3. The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with a Committee of eight members, shall form the Council of the Society.

4. The Council shall meet for transacting business on the first Thursday of every month, or as often as they shall find necessary; and three members shall form a quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens in Natural History, with other miscellaneous Curiosities, whether of Nature or Art; to which may be added Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the members, on such days of the week, and under such regulations, as the Council

shall appoint. The families of members, *residing under their roof*, shall have the privilege of visiting the Museum. No other inhabitants of Whitby shall be gratuitously admitted, except Benefactors and Honorary Members. Strangers who have their residence above ten miles from Whitby, may be introduced by any member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curators or the Secretaries may admit members or strangers to the Museum on those days when it is usually shut.

*** This Regulation is modified by the 11th.

9. After the Society has existed for one year, all new members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. The Museum shall be open to the public one day in each month, under such restrictions as the Council may deem necessary.

12. The proportion which each member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations to the Society shall be returned, if required, to the donors or their representatives: and all members who have sold property to the Society at a reduced price, shall have the option of re-purchasing it at the same price.

13. Each member of the Society shall be at liberty to sell or dispose of his share; and if not previously disposed of, it shall, at his death, descend to his representative: but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due upon it must be paid up; and the representative or assignee of a Life-Governor shall not be exempted from the annual

subscription of Half a Guinea, without paying a sum of Five Guineas in lieu of such subscription.

14. The annual subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting, in each year. If any member neglect to pay his subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any member shall neglect paying his subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that member shall make good to the Society the loss or damage so sustained.

16. Any member, who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council, without effect, for bringing him to order; but such expulsion shall not take place without giving a month's notice, at least, to the offending member, and without the concurrence of three-fourths of the members present at the Public Meeting of the Society, held for that purpose.

17. Each member upon his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a member of it.

18. These Laws may be amended or enlarged at any General or Special Meeting of this Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

Rules for Admission to the Museum,

Adopted by the Council, and confirmed by the General Meeting.

1. The Museum shall be open from half-past Ten, to half-past Twelve o'clock, on Tuesday and Thursday in every week. Strangers paying for admission, may be admitted on any day except Sundays, by applying at the Baths.

2. Any member or subscriber may introduce personally, or by a written order, a friend or stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers re-

siding in Whitby, or within ten miles of it, not honorary members or benefactors, and not belonging to the household of a member or subscriber, shall pay one shilling each for every admission; Children and Servants shall be admitted at half price.

3. Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4. The names and abodes of all Visitors, with the names of the members introducing them, shall be entered in a book kept for that purpose in the Museum.

5. No person introduced into the Museum shall be permitted to handle the specimens.

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7. The Museum shall be open to the public on the first Monday in each month, from Eleven to One, under the following restrictions:

(1.) The admission shall be by ticket, given by any member or subscriber.

(2.) Children under fourteen years shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

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Mr. F. PICKERNELL,
Mr. JOHN TAYLERSON,
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J. CHAPMAN, Esq., (N. B.)
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Mr. Francis Watkins,
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Mr. George Watson,
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James Wilkinson, Esq.,
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Mr. H. Knaggs,
Mr. Malam,
Mrs. J. Richardson,
Mr. Waddington,
James Walker, Esq.,
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Mr. Thomas Yeoman.

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Mr. James Wilcox, ... *Hovingham.*
Mr. J. Williamson, ... *Scarborough.*
Thomas W. Wilson, Esq., ... *Barnsley.*

DONATIONS

PRESENTED TO THE MUSEUM,

Since the Publication of the Twenty-first Report.

Robert Barry, Esq.— Large Model of a Canoe, from New Zealand.

Charles Belcher, Esq.— Two Nuts of the Ivory Plant.

Thomas Benson, Esq.— Large Terebratula, from the top of a high mountain in Peru.

Dr. Dowson.— Description of the Fossil Skull of an Ox, found at Melksham; with a geological Sketch of the river Avon.

Royal Society of Edinburgh.— Their Transactions, Vol. xv. Part iv.; and Nos. 23 and 24 of their Proceedings.

Dr. W. H. Foster, R. N. — Bow and Arrows used by the Indians of Demerara; Bow and Arrows from the Feejee Islands.

Mr. Robert Kirby.— Part of the Cable of the Royal George.

Leeds Philosophical and Literary Society.— Their Report for 1843-4.

Right Hon. Earl of Mulgrave.— Fine specimen of the Caribou Deer, from America.

Mr. Alexander Prince.— His Monthly Lists of Patents, beginning with July, 1844.

Mr. M. Simpson.— Some rare specimens of Lias and Oolite Fossils.

Mr. W. Thompson, Mariner.—Small gilt Image of the Chinese God, Joss.

Mr. W. Thompson, Liverpool.— Large East Indian Idol, from the Upper Ganges.

Mr. W. Willison.—Stalk of the Yucca Gloriosa, which flowered at the New Gardens, in 1843.

BRIT. MUS.
15 JUN 29
NAT. HIST.

WHITBY LITERARY & PHILOSOPHICAL SOCIETY

IN ACCOUNT WITH THE TREASURER.

Dr.

October 25th, 1844.

	£	s.	d.
To Cash paid Treasurer - -	16	9	10½
— Rent of Museum - - -	15	0	0
— Mr. Corbishley's Interest	3	12	0
— Coals, Taxes, Stamps, & Incidental Expenses -	2	8	10½
	£37	10	9

Cr.

October 25th, 1844.

	£	s.	d.
By Subscriptions - - - -	27	5	6
— Cash for admission of Strangers - - - - -	6	7	1
— Cash due to Treasurer -	3	18	2
	£37	10	9

(R. Kirby, Printer, Whitby.)

BRIT. MUS
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 29
NAT. HIST.

23

THE

TWENTY-THIRD REPORT

OF THE

WHITBY LITERARY & PHILOSOPHICAL SOCIETY,

Presented at the Annual Meeting, October 31*st*, 1845:

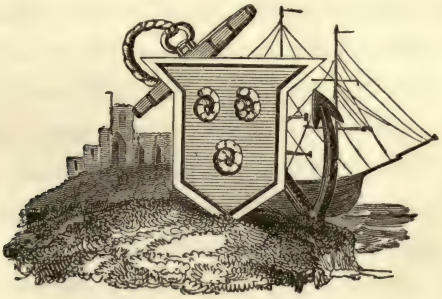
WITH THE

LAWS & REGULATIONS OF THE SOCIETY,

A LIST OF THE OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.



WHITBY:

PRINTED FOR THE SOCIETY, BY HORNE & RICHARDSON, BRIDGE STREET.

1846.

BRITISH MUSEUM
NATURAL HISTORY

TWENTY-THIRD REPORT.

It is with regret that your Council, in presenting the Twenty-third Annual Report, have to state, that the operations of the Society during the past year, have been very limited; and seem to have consisted more in matters of finance, than in Philosophical inquiry.

It will be in the recollection of most Members, that about six years ago, the Society incurred considerable expense in making certain alterations in the Museum, which the increased and increasing number and value of their fossil and other treasures rendered absolutely necessary. As the annual income of the Institution is scarcely more than sufficient to meet the current expenditure, the cost of these alterations and improvements required to be otherwise provided for; and the Council for the time borrowed, for that purpose, a sum of £80, from the late Mr. Corbishley, the then Subcurator, on note at interest, to be repaid by instalments, as circumstances might allow. In the early part of this year, Mr. Corbishley died, and the Society thereby lost an efficient officer, and a steady and constant friend; whose kind and (of late years) gratuitous services, deserve to be marked at this time with special approbation. Soon after this much regretted event, his executors demanded immediate payment of the

money; and to enable your Council to meet this demand, John Chapman, Esq., New Buildings, a Life Governor of the Institution, very handsomely advanced the sum, at a reduced rate of interest.

It is hoped, that ere long the debt itself may be extinguished, that the Council may be more able to purchase, from time to time, such valuable articles as may be required to complete our collections. Under present circumstances, they have been compelled to decline some desirable purchases, and refuse applications from respectable Lecturers; practising a rigid economy in every department of expenditure. By this means, they have been enabled to pay off all the balances of tradesmen's bills for some time due; so that the finances now wear a more healthy aspect than usual; to which also, our exemption by Act of Parliament from local assessments has in part contributed.

Your Council would notice with pleasure, as in former years, the increasing value and attractions of the Museum. The number of Visitors this year has exceeded 500; and the receipts for admission amount to £6 16*s.* 9*d.*, being larger than the sum received last year.

Through the kindness of friends, and especially through the zeal of our maritime townsmen, the Museum is almost daily enriched by fresh donations; an account of which will be seen on reference to our Annual List.

Our esteemed friend, and former Curator, Charles Belcher, Esq., has given us evidence that he has not

forgotten us, by kindly presenting to the Society a copy of Patin's work on Roman Imperial Coins.

Mr. Henry M. Lee, of Wisbeach, has sent us, through Mr. M. Simpson, above 100 Fossil specimens, from the Chalk, London Clay, Oolite, Cragg, &c.; with 22 recent Shells, some of them of considerable value: in return for which, above 100 specimens from our Strata have been forwarded to Mr. Lee.

Mr. Christopher Crawford, in addition to many former favours, has this year presented a handsome Model of a Burmese Canoe.

Mrs. Burnett has kindly given, through Dr. Young, a specimen of Bread-fruit, from the Isle of Pines; a piece of White Cloth, from Tahiti; a few specimens of Lava, from the volcano at Tanna; and some ornaments made of plaited human hair, from the same place: all brought home in the Camden, by Mr. William Gibson.

The interchange of Annual Reports with similar Institutions, has been continued and increased. Mr. Prince has favoured us with his Monthly Lists of Patents; which, according to his request, have been exhibited in the Rooms.

In arranging and naming the specimens in the Museum, considerable progress has been made this season. In this department, the Council would gratefully acknowledge the valuable services of Mr. M. Simpson, who has laboured with much assiduity in the classification of the recent Shells; now displayed with no small taste and science. Dr. Young has like-

wise been employed in arranging our collection of Insects; and these also begin to assume a greatly improved appearance.

Your Council have peculiar pleasure in pointing to the formation of the "Whitby Institute of popular Arts, Science, and Literature," as a work accomplished under the auspices of this Society, and chiefly by Members of your Council. To the Rev. D. Davis, B. A., who, we regret to say, has since left the town, is mainly to be attributed the success of the undertaking. The formation of this Institution supplies what has long been a desideratum in Whitby: for although we have a public Library, unequalled in Yorkshire, for the size of the place, it was necessary to provide for the working classes and apprentices, opportunities for reading and mental improvement, on easier terms, and in a way more adapted to their peculiar circumstances. Your Council have pledged themselves to assist the Directors of the Institute in every possible way, in carrying out their praiseworthy designs;—a pledge which, it is hoped, succeeding Members of Council will ratify and act upon. Gratuitous admission to the Museum may be given to the Members of the Institute, on stated occasions hereafter to be determined: and in procuring Lectures,—a department which we have this year strangely neglected,—a union of the Institutions may be attended with mutual advantage. The rivalry of two kindred Societies, existing in the same locality, instead of exciting hostile feelings, will rather, under proper

management, lead to united efforts for advancing the common objects of both. May it be the pleasing duty of every succeeding Council, to report their combined increase and success;—a consummation devoutly to be wished for by every lover of his country, and gratifying to every well regulated mind!

LAWS AND REGULATIONS.

1.—The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

2.—All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea* annually, shall be Members of this Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea* annually, or of *Ten Guineas* at one time, without any Annual Subscription, shall be Governors of the Society.

3.—The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who with a Committee of eight Members, shall form the Council of the Society.

4.—The Council shall meet, for transacting business, on the first Thursday of every month, or as often as they shall find necessary; and three members shall form a quorum.

5.—All Governors shall have a right to attend and vote at the Meetings of the Council.

6.—A General Meeting of the Society shall be held on the last Friday in October, in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven members, a week's notice being given.

7.—The Museum shall comprise collections of Fossils, Antiquities, specimens in Natural History, with other miscellaneous Curiosities, whether of Nature or Art; to which may be added Scientific Books, and Philosophical Apparatus.

8.—The Museum shall be open for the convenience of the members, on such days of the week, and under such regulations, as the Council shall appoint. The families of members, *residing under their roof*, shall have the privilege of visiting the Museum. No other inhabitants of Whitby shall be gratuitously admitted, except Benefactors and Honorary Members. Strangers who

have their residence above ten miles from Whitby, may be introduced by any member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curators or the Secretaries may admit members or strangers to the Museum on those days when it is usually shut.

*** This Regulation is modified by the 11th.

9.—After the Society has existed for one year, all new members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10.—Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11.—The Museum shall be open to the public one day in each month, under such restrictions as the Council may deem necessary.

12.—The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations shall be returned, if required, to the donors, or their representatives; and all members who have sold property to the Society at a reduced price, shall have the option of re-purchasing it at the same price.

13.—Each member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall,

at his death, descend to his representative: but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a member of the Institution. When any share is transferred, all arrears due upon it must be paid up; and the representative or assignee of a Life-Governor shall not be exempted from the Annual subscription of Half-a Guinea, without paying a sum of Five Guineas in lieu of such subscription.

14.—The annual subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting, in each year. If any member neglect to pay his subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any member shall neglect paying his subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15.—If any member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that member shall make good to the Society the loss or damage so sustained.

16.—Any member, who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council, without effect, for bringing him to order; but such expulsion shall not take place without giving a month's notice, at least, to the offending member, and without the concurrence of three-fourths of the members present at the Public Meeting of the Society, held for that purpose.

17.—Each member upon his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a member of it.

18.—These Laws may be amended or enlarged at any General or Special Meeting of this Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

RULES FOR ADMISSION TO THE MUSEUM,

Adopted by the Council, and confirmed by the General Meeting.

1.—The Museum shall be open from half-past Ten, to half-past Twelve o'clock, on Tuesday and Thursday in every week. Strangers paying for admission, may be admitted on any day except Sundays, by applying at the Baths.

2.—Any member or subscriber may introduce, personally, or by a written order, a friend or stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers residing in Whitby, or within ten miles of it, not honorary members or benefactors, and not belonging to the household of a member or subscriber, shall pay one shilling each for every admission; children and servants shall be admitted at half-price. A reduction is also allowed to parties of more than Two.

3.—Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4.—The names and abodes of all Visitors, with the names of the members introducing them, shall be entered in a book kept for that purpose in the Museum.

5.—No person introduced into the Museum shall be permitted to handle the specimens.

6.—No person shall be allowed to take a stick or umbrella into the Museum, or any thing likely to occasion damage.

7.—The Museum shall be open to the public on the first Monday in each month, from Eleven to One, under the following restrictions:—

(1.) The admission shall be by ticket, given by any member or subscriber.

(2.) Children under fourteen years shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

OFFICERS FOR THE YEAR 1846.

PATRON.

THE MOST NOBLE THE MARQUESS OF NORMANBY.

PRESIDENT.

HENRY BELCHER, ESQ.

VICE-PRESIDENTS.

C. RICHARDSON, ESQ. | T. FISHBURN, ESQ.

TREASURER.

JAMES WILKINSON, ESQ.

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W. H. CRAMP, ESQ.,
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MR. JOHN TAYLERSON,
MR. JOHN WILSON.

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THE RIGHT HONORABLE THE EARL OF MULGRAVE,
THE RIGHT HONORABLE THE EARL OF CARLISLE,
THE RIGHT HONORABLE LORD FEVERSHAM,

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COL. G. CHOLMLEY,
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E. W. CHAPMAN, ESQ.,
J. CHAPMAN, ESQ., (N. B.
MR. M. SIMPSON.

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T. W. BELCHER, ESQ., | MR. GEORGE WATSON.

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THE RIGHT HONORABLE THE EARL OF MULGRAVE.

THE RIGHT HONORABLE THE EARL OF CARLISLE.

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Gideon Smales, Esq.,
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Rev. John Arundel ..... *London.*
Rev. Henry Atcheson, B. A., F. C. P. S., ... *London.*
Rev. R. J. Barlow ..... *Hutton Rudby.*
Mr. William Bean ..... *Scarborough.*
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Capt. Stephenson Ellerby ..... *London.*
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Mr. J. Gillott ..... *Scarborough.*
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W. Hutton, Esq., ... *Newcastle.*
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Mr. Lars Kiersta ..... *Christiania.*
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Capt. Constantine Moorsom, R. N., ... *Birmingham.*
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Rev. J. Rutherford ..... *Channelkirk.*
Mr. Andrew Sanders ..... *Stockton.*
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Rev. W. Scoresby, D. D., F. R. S., M. W. S., &c., ... *Bradford.*
Rev. A. Sedgwick, D. D., F. R. S., F. G. S., &c., ... *Cambridge.*
Wakefield Simpson, Esq., ... *Paramatta, New South Wales.*
Rev. William Stobbs ..... *Stromness.*
Arthur Strickland, Esq., ... *Bridlington Quay.*
Mr. William Trueman ..... *Durham.*
Rev. W. Turner ..... *Manchester.*
W. J. West, Esq., ... *Tunbridge.*
Dr. Thomas Weatherill, ... *Liverpool.*
Mr. Thomas Welbank ..... *London.*
Mr. James Wilcox ..... *Hovingham.*
Mr. J. Williamson ..... *Scarborough.*
Thomas W. Wilson, Esq., ... *Barnsley.*

DONATIONS

PRESENTED TO THE MUSEUM,

Since the publication of the Twenty-second Report.

Charles Belcher, Esq., Warwick.—Copy of Patin's Work on Roman Imperial Coins.

Mrs. Burnett.—Specimens of Lava, and Ornaments of plaited Human Hair, from the Island of Tanna; Breadfruit, from the Isle of Pines; and White Cloth, from Tahiti: all brought home by Mr. W. Gibson, in the Camden.

Mr. Wm. Collier.—A Penguin, and another Bird, found in Guano, from Ichaboe.

Mr. Christopher Crawford, London.—Large Model of a Burmese Canoe: Preserved Hand of a Monkey.

Rev. Joseph Curr.—The Prussian Bank Note, for forging which, the Jew, Manasseh Goldstein, was convicted, in September, 1821.

Miss Mary Dawson, Royds Hall.—Five specimens of *Lepas Anatifera*, taken from a log of American Pine, found floating in the English Channel, in 1823.

Mr. Alfred Jefferson.—A preserved Bat.

Mr. Lee, Wisbeach.—Forty Fossils from the Chalk, seven from the Green Sand, seventeen from the Oolite, twelve from the Cragg, twenty from the London Clay, and six from Dudley. Also, twenty-two valuable recent Shells. Per Mr. M. Simpson.

Scarborough Philosophical Society.—Their Fifteenth Report.

Mr. M. Simpson.—A number of recent Shells.

Mr. William Turnbull.—Three small silver Coins.

Mrs. William Wilson, Flowergate.—Tusk of a large Walrus, from the Arctic Regions.

Mr. George Vasey.—Broken Jar, and piece of Plaster, dug out of the Ruins of Pompeii, by Captain George Brown.

Yorkshire Philosophical Society.—Their Report for 1844.

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY

IN ACCOUNT WITH THE TREASURER.

1845.	Dr.	£.	s.	d.	1845.	Cr.	£:	s.	d.
Oct. 31.	To Balance paid Treasurer...	3	18	2	Oct. 31.	By Subscriptions, &c., collected	41	18	6
	— Rent of Museum	15	0	0		— Cash for admission of Strangers	6	16	9
	— Interest of Debt to Mr. Corbishley's Executors	3	12	0		— Balance due to Treasurer ...	7	0	2½
	— Balance of Tradesmen's Bills, Coals, Candles, Printing, and incidental expenses	33	5	3½					
		£55	15	5½			£55	15	5½

BRIT. MUS. 15 JUN 29

Horne and Richardson, Printers, Whitby.

BRIT. MUS.
15 JUN 20
NAT. HIST.

24

BRITISH MUSEUM
NATURAL HISTORY

THE

TWENTY-FOURTH REPORT

OF THE

WHITBY LITERARY & PHILOSOPHICAL SOCIETY,

Presented at the Annual Meeting, October 30th, 1846:

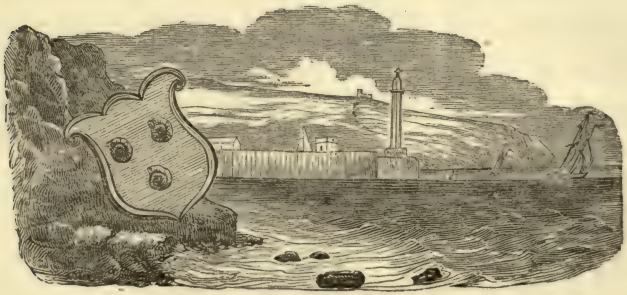
WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.



WHITBY;

PRINTED FOR THE SOCIETY, BY WILLIAM FORTH, FLOWERGATE.

1847.

BRITISH MUSEUM
NATURAL HISTORY

TWENTY-FOURTH REPORT.

The Twenty-fourth year of this Society's operations, has not been distinguished by any transaction of special interest; and its history may be comprised within a narrow compass.

The state of the finances continues to wear a favourable aspect; and the accession of two or three new Members to the Institution, must naturally tend to strengthen its interests.

The Museum continues to attract the attention of numerous strangers, resorting to our interesting town; and as the increased facilities of communication, and the additional accommodations providing for strangers, will tend to augment the number of visitors from year to year, your Museum, as well as the town at large, will be profited by the increase. The number of Visitors this year, has been nearly as great as in the former year, viz. about 500; and the receipts for admission are almost the same, being £6 12s. 6d.. We cannot doubt, that much more will fall to be reported next season, when the improvements in our Railway communications shall have been completed.

Several valuable Donations have been given to the Museum, as in past years: Among these we may specify the following:

William Usherwood, Junr. Esq. has presented a very fine specimen of the Head of the Moose Deer, from Canada.

Mrs. George Clark, has given a large assortment of recent shells, and other valuable articles in Natural History; including 290 British Shells, and 30 Foreign; with 2 specimens of Echinus, and one of Spatangus; and two bottles, containing preserved Snakes and Lizards.

Mr Martin Simpson, has given Donations to a large amount; viz. 73 Lias Fossils, including a rare Plant from the Jet-rock; 3 Plants from the lower Sandstone-rock; 8 crustacea, 100 British Shells, 2 specimens of Echinus, 2 of Asterias, 11 of Corallines, and about 100 British Insects.

To this gentleman the Society is also much indebted for his assiduous and valuable labours in arranging and marking our collection of Recent Shells, which now present a highly interesting appearance. Mr. Simpson is proceeding to bestow the same patient and persevering attention on the arrangement of our other specimens in Natural History; so that we may hope ere long, to see the same improvements introduced throughout the whole.

The value of our Society appears to advantage,

when viewed in connexion with other kindred Institutions. The Whitby Institute, the formation of which, under the auspices of this Society, was announced in last Report, is in a very prosperous state; realizing the expectations of its founders, and promising to be of great utility for the people of Whitby. Its members have increased, its finances are in a healthy state, and its advantages are extensively enjoyed and improved, by those for whose benefit it is specially designed. The only Lectures given in connexion with this Society, during the year, have been delivered chiefly to the Members of the Institute. Of these, the Lectures of Dr. Scoresby are particularly worthy of notice. It is hoped that, in the course of another year, much more may be done in this department.

The Meeting of the Archæological Institute at York, in the month of July, has supplied another illustration of the usefulness of our Society. Several interesting specimens of antiquities were sent from our collection, and exhibited in the temporary Museum of the Institute, to crowds of visitors. Your Society was represented at that Meeting, by the President, and the senior Secretary, both of whom read Papers on the antiquities of this district, which excited no small interest among the lovers of science assembled on that occasion. Your President has communicated to the present Meeting an abstract of the Paper which he read to the Institute at York,

and has presented specimens of calcined human Bones, obtained in a Tumulus at the singular ancient British settlement on Danby Moor, when that Tumulus, by the permission of Lord Downe, was excavated under the direction of several Members and friends of your Society, at the request of the Archæological Institute.

On the whole, although our Society has been less active, during the year, than we could have wished, the Council may congratulate its Members and friends on its growing prosperity, and feel warranted in expressing a hope, that its operations may be more extensive and more beneficial, in future seasons.

LAWS AND REGULATIONS.

1.—The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

2.—All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea* annually, shall be Members of this Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea* annually, or of *Ten Guineas* at one time, without any Annual Subscription, shall be Governors of the Society.

3.—The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with a Committee of eight Members, shall form the Council of the Society.

4.—The Council shall meet, for transacting business, on the first Thursday of every month, or as often as they shall find necessary; and three members shall form a quorum.

5.—All Governors shall have a right to attend and vote at the Meetings of the Council.

6.—A General Meeting of the Society shall be held on the last Friday in October, in each year; for electing a new Committee, receiving the Report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven members, a week's notice being given.

7.—The Museum shall comprise collections of Fossils, Antiquities, specimens in Natural History, with other miscellaneous Curiosities, whether of Nature or Art; to which may be added Scientific Books, and Philosophical Apparatus.

8.—The Museum shall be open for the convenience of the Members, on such days of the week, and under such regulations, as the Council shall appoint. The families of members, *residing under their roof*, shall have the privilege of visiting the Museum. No other inhabitants of Whitby shall be gratuitously admitted, except Benefactors and Honorary Members. Strangers who have their residence above ten miles from Whitby, may be intro-

duced by any member, or may be admitted on such terms as the Council shall fix.—On special occasions, the Curators or the Secretaries may admit members or strangers to the Museum on those days when it is usually shut.

***This Regulation is modified by the 11th.

9.—After the Society has existed for one year all new members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

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13.—Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall, at his death, descend to his representative: but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a member of the Institution. When any share

is transferred, all arrears due upon it must be paid up; and the representative or assignee of a Life-Governor shall not be exempted from the Annual subscription of Half a Guinea, without paying a sum of Five Guineas in lieu of such subscription.

14.—The annual subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting, in each year. If any Member neglect to pay his subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any Member shall neglect paying his subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15.—If any Member, or any one introduced by him, shall cause any loss or damage in the property of the Society, that Member shall make good to the Society the loss or damage so sustained.

16.—Any Member, who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council, without effect, for bringing him to order; but such expulsion shall not take place without giving a month's notice, at least, to the offending Member, and without the concurrence of three-fourths of the Members present at the Public Meeting of the Society, held for that purpose.

17.—Each Member upon his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society, so long as he shall continue a Member of it.

18.—These Laws may be amended or enlarged, at any General or Special Meeting of this Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

Rules for admission to the Museum,

Adopted by the Council, and confirmed by the General Meeting.

1.—The Museum shall be open from half-past Ten, to half-past Twelve o'clock, on Tuesday and Thursday in each week. Strangers paying for admission, may be admitted on any day except Sundays, by applying at the Baths.

2.—Any member or subscriber may introduce, personally, or by a written order, a friend or stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers residing in Whitby, or within ten miles of it, not honorary members or benefactors, and not belonging to the household of a member or subscriber, shall pay one shilling each for every admission; children and servants shall be admitted at half-price. A reduction is also allowed to parties of more than Two.

3.—Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4.—The names and abodes of all Visitors, with the names of the members introducing them, shall be entered in a book kept for that purpose in the Museum.

5.—No person introduced into the Museum shall be permitted to handle the specimens.

6.—No person shall be allowed to take a stick or umbrella into the Museum, or any thing likely to occasion damage.

7.—The Museum shall be open to the public on the first Monday in each month, from Eleven to One, under the following restrictions:—

(1.) The admission shall be by ticket, given by any member or subscriber.

(2.) Children under fourteen years shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

OFFICERS FOR THE YEAR 1847.

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THE MOST NOBLE THE MARQUESS OF NORMANBY.

President.

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MR. W. N. CLARKSON,
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DR. J. G. LOY,
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Governors by Subscription.

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THE RIGHT HONORABLE THE EARL OF MULGRAVE,
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MR. M. SIMPSON.

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RICHARD RIPLEY, ESQ., | REV. G. YOUNG, D.D.

Curators.

T. W. BELCHER, ESQ., | MR. GEORGE WATSON.

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The Most Noble the Marquess of Normanby.
The Right Honorable the Earl of Mulgrave.
The Right Honorable the Earl of Carlisle.
The Right Honorable Lord Feversham.

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Henry Belcher, Esq.,
T. W. Belcher, Esq.,
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Mr. George Trueman,
Mr. Thomas Turnbull,
Edmund Turton, Esq.
Mr. George Vasey,
Mr. Francis Watkins,
Thomas Watson, Esq.,
Mr. George Watson,
Mr. John Weighill,
James Wilkinson, Esq.,
Mr. John Wilson,
H. W. Yeoman, Esq.,
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Mr. H. Knaggs,
Mr. Malam,
Mrs. J. Richardson,
Mr. Waddington,
James Walker, Esq.,
Mrs. Watson, *Spring Hill,*
Mr. Thomas Yeoman.

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Rev. John Arundel ..... *London.*
Rev. Henry Atcheson, B.A., F.C.P.S. ..... *London.*
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Mr. J. W. Robinson, ... *London.*
Rev. J. Rutherford, ... *Channelkirk.*
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Rev. William Stobbs ..... *Stromness.*
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Rev. W. Turner ..... *Manchester.*
W. J. West, Esq., ... *Tunbridge.*
Dr. Thomas Weatherill, ... *Liverpool.*
Mr. Thomas Wellbank ..... *London.*
Mr. James Wilcox, ... *Hovingham.*
Mr. J. Williamson ..... *Scarborough.*
Thomas W. Wilson, Esq., ... *Barnsley.*

Donations Presented to the Museum,

Since the publication of the Twenty-third Report.

Henry Belcher, Esq.,—Calcined Bones, from a Tumulus on Danby Moor, opened July 6th, 1846.

Mrs. George Clark.—Large and valuable assortment of recent shells, consisting of 290 British and 30 Foreign specimens. Also 1 Spatangus, 2 Echinus; and two bottles of Snakes and Lizards, preserved in spirits.

Miss Craig, by Mrs. G. Clark.—30 Freshwater Shells from the Derwent.

Mr. David Graham, (late of Grinkel Park)—15 specimens of Lava, Sulphur, &c., from Iceland, collected by himself, in August, 1846.

Mr. John Leckenby, Scarborough.—A large and rare Ammonite—(A multicostatus) from the Lias.

Scarborough Philosophical Society. — Their Report for 1846.

Mr. M. Simpson.—Lias Fossils, 73 specimens, including a rare Plant from the Jet-rock, at Saltwick; 3 Plants from the Lower Sandstone near Whitby: also 100 recent British Shells; 8 Crustacea; 2 Echinus; 11 Corallines: and about 100 British Insects.

Wm. Usherwood, Jun. Esq.—Fine specimen of the Head of the Moose Deer, from Canada.

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY

IN ACCOUNT WITH THE TREASURER.

1846.	Dr.	£.	s.	d.
Oct.30.	To Balance paid Treasurer.....	7	0	2½
	—Rent of Museum.....	15	0	0
	—J. Chapman, Esq., for Interest on Debt.....	3	4	0
	—Printing Reports, Stationery, Coals, & incidental expenses	8	16	6
	—Balance in Treasurer's Hands..	0	14	6½
		£34	15	3

1846.	Cr.	£.	s.	d.
Oct.30.	By Subscriptions & Collections....	28	2	9
	—Cash received for the admission of Strangers.....	6	12	6
		£34	15	3

BRIT. MUS. 15 JUN 28

William Forth, Printer, Whitby.

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THE

TWENTY-FIFTH REPORT

OF THE

WHITBY LITERARY & PHILOSOPHICAL SOCIETY,

Presented at the ANNUAL MEETING, October 29th, 1847:

WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.

Ruins of the Chapel, Eskdaleside, commonly called "THE HERMITAGE"

WHITBY:

PRINTED FOR THE SOCIETY, BY S. REED, OLD MARKET PLACE.

1848.

BRITISH MUSEUM
NATURAL HISTORY

TWENTY-FIFTH REPORT.

THE Whitby Literary and Philosophical Society has now existed a quarter of a century, and it is gratifying to look back on what it has done during that period for the advancement of science, the improvement and happiness of its members, and the credit of the town and neighbourhood.

For some years past much less has been done in the way of reading Lectures or Essays, than in the earlier stages of the Society's progress: and throughout the past year neither Lectures nor Essays in immediate connexion with the Society have been delivered, except the excellent Essay on the Physiology of the Nervous System communicated this morning by Mr. Robert Ripley: but several Lectures, Essays, and Discussions have been enjoyed by the members of the Whitby Institute; and it is pleasing to observe that this Institution, formed under the auspices of our Society, continues to enjoy a high degree of prosperity: the numerous attendants at its Soirée in the middle of last month, the interest in the Report then read, and the eloquent

addresses delivered on that occasion, with the large additions since made to its library, have furnished ample proof of its success.

Some important additions have been made to our own Society during the year, and Robert Stephenson, Esq., M. P. has become a life governor, by a subscription of £10 10s.

The Council regret to find that they are about to lose the valuable services of Mr. George Watson, who is removing to Leeds, after having been for several years one of the Curators, and in various ways active in promoting the interest of the Society. On the other hand, they feel happy to welcome the return of Dr. Merryweather to Whitby, who having formerly been one of the Curators, will have no objection to resume the important station.

The Visitors admitted to the Museum have been about as numerous as in former years. Between three and four hundred are entered in the book, but the real number is doubtless five hundred, of whom a great portion must have been admitted gratuitously, as the admission money amounts only to £3 10s.

Several donations for the Museum have been received as usual. Of these the most valuable is a fossil Ichthyosaurus, presented by Messrs. R. & J. Ripley. It is a large and fine specimen, 14ft. long, worth more than twenty guineas; and as we have hitherto only had a small one entire, it is a valuable addition to our fossil treasures.

Captain Willis has presented a large case of Birds, chiefly from America, in a fine state of preservation. Another most valuable acquisition has been recently obtained by purchase. It is a noble specimen of that rare fossil animal the Plesiosaurus, found at Kettleness in the summer of 1844. This magnificent fossil which was exhibited at York in 1844, and which has been since kept at Mulgrave Castle, differs materially from the specimen which went from Whitby to Cambridge in 1843. That was the Plesiosaurus Dolichodeiros, having a long slender neck, and a very small head; this is the Plesiosaurus Macrocephalus, having a stronger and shorter neck, and a large head, in which the bones and the teeth are distinctly seen; each measures about 15 feet. The Cambridge specimen cost about 220 guineas; the price of this is 200 pounds, but as 50 pounds is deducted as a subscription towards the purchase by the Marquess of Normanby, only 150 pounds more will require to be paid. Towards this payment a liberal subscription is begun, which, it is hoped, will with the money in hand, enable the Council to make the payment, without needing to contract new debt. Some additional expense however will be incurred in providing a suitable case for this noble fossil, and the Ichthyosaurus generously presented by Messrs. Ripley, and in making such alterations as may be required for giving them a conspicuous place in the Museum.

The Friends of Science will not grudge to make the

sacrifice required. When these specimens are duly arranged in our Museum, it will present a superb set of Saurian animals, such as perhaps no other Museum can boast. We shall thus follow out the counsels that were given by not a few of our Literary Visitors.—That as our neighbourhood presents a richer variety of fossils than perhaps any other part of the world, we should make it our grand study to render our Museum richer in such fossils than any other.

The attainment of such an object is not only connected with the honour of our Society and the interest of Science, but with the prosperity of Whitby. Many strangers have been brought here by the attractions of our Museum, and when it is elevated to its high rank now in prospect, as possessing one of the finest sets of fossil organic remains of Saurian animals in the world, its attractions will be doubly powerful, and the advantages resulting to the Town and neighbourhood proportionally great.

Mr. M. Simpson has continued his labours in arranging and marking our collection of recent Shells. The Council hope, in course of time, to be able to publish a Synopsis of the contents of the Museum; but this would necessarily be attended with expense, which at present they are unable to meet, and they would therefore hope for an increase of subscribers, to enable them speedily to accomplish this desirable object.

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18.—These Laws may be amended or enlarged, at any General or Special Meeting of this Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

RULES FOR ADMISSION TO THE MUSEUM.

Adopted by the Council, and confirmed by the General Meeting.

1.—The Museum shall be open from half-past Ten, to half-past Twelve o'clock, on Tuesday and Thursday in each week. Strangers paying for admission, may be admitted on any day except Sundays, by applying at the Baths.

2.—Any member or subscriber may introduce, personally, or by a written order, a friend er stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers residing in Whitby, or within ten miles of it not honorary members or benefactors, and not belonging to the household of a member or subscriber, shall pay one shilling each for admission; children and servants shall be admitted at half-price. A reduction is also allowed to parties of more than Two.

3.—Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4.—The names and abodes of all Visitors, with the names of the members introducing them, shall be entered in a book kept for that purpose in the Museum.

5.—No person introduced into the Museum shall be permitted to handle the specimens.

6.—No person shall be allowed to take a stick or Umbrella into the Museum, or any thing likely to occasion damage.

7.—The Museum shall be open to the public on the first Monday in each month, from Eleven to One, under the following restrictions:—

(1.) The admission shall be by ticket, given by any member or subscriber.

(2.) Children under fourteen years shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

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Leeds Philosophical and Literary Society.—Their Report for 1846—1847.

Scarborough Philosophical Society.—Their Report for 1847.

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Mr. M. Simpson.—20 British Shells.

George Willis, Esq.—Large Glass Case, containing 22 specimens of preserved Birds, from South America and Australia.

☞ The long continued indisposition and lamented death of the Rev. Dr. Young, must account for the delay in publishing the present Report, which, previous to the illness of Dr. Young, existed only in his own short-hand notes; a circumstance which gave him some concern, as no one could decypher them but himself:—to dictate their purport was one of the latest efforts of his useful and honorable life.

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